



**Adopted Budget
City of Portland, Oregon
Fiscal Year 2006-07
Volume Three: Capital Budget**

How are the children?

Mayor Tom Potter begins each Wednesday morning City Council session by asking, “How are the children?” The health and wellbeing of its children is a measure of the health and wellbeing of a society. In keeping with the City Council’s focus on children, the cover of the FY 2006-07 City of Portland budget shows children playing in Terry Schrunk Plaza, with Portland’s historic City Hall in the background.

Terry Schrunk Plaza is named in honor of Portland’s only four-term Mayor, who served from 1956 to 1972. The plaza and the Edith Green-Wendell Wyatt Federal Building, across SW Third Avenue to the east, are owned and maintained by the United States General Services Administration. Terry Schrunk Plaza joins Chapman and Lownsdale Squares to create three blocks of open space in the heart of the city—the Plaza Blocks.

Portland City Hall has been the seat of Portland’s city government since it opened in 1895. A remodeling and historic renovation that was completed in 1998 restored the building to its original design.

The spirit of Portland’s children is the focus of the FY 2006-07 Adopted Budget.

(Photo credit: Lois Summers and Donna Shalkowsky, in the City of Portland Office of Management and Finance, Accounting Division and Sandy Pokorny, State of Oregon)



Adopted Budget

City of Portland, Oregon

Fiscal Year 2006-07
Volume Three

Capital Improvement Plan

Mayor Tom Potter

Commissioner Sam Adams

Commissioner Randy Leonard

Commissioner Dan Saltzman

Commissioner Erik Sten

Auditor Gary Blackmer

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Budget Award

The Government Finance Officers Association of the United States and Canada (GFOA) presented an award for Distinguished Budget Presentation to the City of Portland, Oregon for its annual budget for the fiscal year beginning July 1, 2005.

In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan, and as a communication device.

The award is valid for a period of one year only. We believe our current budget document continues to conform to program requirements, and we are submitting it to GFOA to determine its eligibility for another award.



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
Award*

PRESENTED TO

**City of Portland
Oregon**

Special Performance Measures Recognition

For the Fiscal Year Beginning

July 1, 2005

President

Executive Director

User's Guide

The FY 2006-07 Adopted Budget document consists of three volumes. Volume One contains general information and an overview of the Adopted Budget for the City of Portland, as well as the adopted budgets for individual City bureaus and offices. Volume Two provides detailed information about the City's funds, financial forecasts, plans, and policies. Volume Three displays detailed budget information for the City's capital projects, including the five-year Capital Improvement Plan.

VOLUME ONE - BUREAU BUDGETS

- Mayor's Message** A message from Mayor Tom Potter about the challenges, opportunities, and uncertainties he and the four City Commissioners faced in preparing the Adopted Budget for FY 2006-07. The message highlights the Mayor's budget priorities and the principles adhered to in crafting the Adopted Budget.
- Overviews**
- City Overview**
 The City Overview gives general information about the City of Portland, including its demographics and government management systems.
- Budget Overview**
 The Budget Overview presents the total City budget from a number of technical perspectives, discusses significant changes to funds, and outlines the City's overall budget process. It also summarizes key budget decisions and delineates the links between those decisions and City Council goals and strategic issues.
- Financial Overview**
 The Financial Overview lays out the City's financial planning process, fiscal structure, and related policies. Also part of this section are the five-year forecast, a discussion of City debt management, and highlights of key revenue and expenditure trends.
- Budget Notes**
 The Budget Notes section lists issues that Council determined require further analysis or action. The notes generally direct a bureau to undertake a particular assignment.
- Financial Summaries** These summaries show Citywide revenues and expenses in total and by service area, as well as General Fund revenues and expenses and authorized positions.

Service Area Information

City bureaus are categorized into service areas based on the nature of their programs and services. Each service area section of the budget document begins with a description of the service area and budget highlights for bureaus in that service area. This is followed by the Adopted Budget for each bureau in the service area. The City's six service areas are:

- ♦ Public Safety
- ♦ Parks, Recreation, and Culture
- ♦ Public Utilities
- ♦ Community Development
- ♦ Transportation and Parking
- ♦ Legislative, Administrative, and Support

VOLUME TWO - CITY FUNDS

Financial Summaries

Tables at the beginning of Volume Two summarize the City budget across all funds and list bureau expenses and total City expenses by fund. The Appropriation Schedule, tax levy computations, and urban renewal tax certifications are also included. This section concludes with tables related to the City's debt obligations and summaries of the General Fund and General Reserve Fund.

Fund Summaries by Service Area

Presented in the same service area order as Volume One, these sections detail the resources and expenditures of each City fund. A brief description of each fund's purpose and relevant trends and issues are incorporated with fund financial information.

Financial Plans

Five-year financial plans for the General Fund and the enterprise funds are presented in this section. The plans provide detailed information about the financial context in which budgetary decisions were made.

Financial Policies

These policies provide a framework to guide the City in making financial and budgetary decisions. Financial policies help the City balance long-term interests and needs with more immediate concerns.

Ordinances

Volume Two concludes with the ordinances passed by Council to formally adopt the budget, levy taxes, open and close funds, and accept state shared revenues. The Tax Supervising and Conservation Commission's letter certifying the City's budget is also presented here.

VOLUME THREE - CAPITAL BUDGET

Overview

The overview explains the City's capital budgeting process, including regulatory requirements, the use of long-range planning documents, and the roles of various groups in developing the capital budget.

Citywide Summary

This summary offers highlights of the FY 2006-07 capital budget and a detailed presentation of the five-year Capital Improvement Plan. Capital projects are summarized by service area, geographic location, and fund.

Capital Projects by Service Area

Presented in the same service area order as Volumes One and Two, these sections describe each of the City's capital projects by bureau. Project information is displayed by geographic location and includes funding sources, expenditure history, and five-year forecasts for each project.

PORTLAND DEVELOPMENT COMMISSION (PDC) ADOPTED BUDGET

As required by the City's Charter, the PDC Adopted Budget is incorporated here by reference. See the PDC web site for their budget details: <http://www.pdc.us/pubs/>.

QUESTIONS

If you have any questions about the use of the budget document or the City's budget, please call the Financial Planning Division in the Office of Management and Finance at (503) 823-5288.



Overview

INTRODUCTION

The City of Portland's five-year capital improvement plan (CIP) implements the City's policy of preserving its current physical assets and planning for future capital investments. The CIP budget provides details on City projects that support and enhance the delivery of basic services and infrastructure improvements. These projects reflect the bureaus' prioritization of capital replacement and enhancement projects, estimations of project costs, and identification of the funding sources.

The City maintains a "Aaa" bond rating, the highest available to a municipality.

The City has been following a capital planning and budgeting process since FY 1974-75. The Council's commitment to maintaining the City's capital infrastructure has contributed to the maintenance of a "Aaa" bond rating for the last 30 years, the highest level attainable by a municipality.

DEFINITION OF CAPITAL

Projects contained in the CIP budget increase or enhance the City's capital assets and meet one of the following criteria:

- ◆ New construction, expansion, acquisition, renovation, or replacement of existing facilities (including the cost of land, engineering, architectural planning, and contractual services) that require a total expenditure of at least \$10,000 over the life of the project, or
- ◆ Major maintenance or rehabilitation of existing facilities that require an expenditure of \$10,000 or more and have an economic life of at least ten years.
- ◆ Major equipment with a cost of \$50,000 or more with a useful life of at least ten years, or

PLANNING PROCESS

Regulatory Requirements

The City's capital budgeting and planning process is consistent with the State of Oregon Administrative Rules, Division 11, Section 6600-11-010, which require the City to develop and maintain public facilities plans. In addition, the CIP must be consistent with the City's Comprehensive Plan, City Council priorities, and other types of planning documents.

Public Facilities Plans

The City has completed public facilities plans for each of the major capital bureaus. These include the bureaus of Environmental Services; Water Works; Transportation; Parks and Recreation; Fire, Rescue, and Emergency Services; and Police; and the Office of Management and Finance. The existing public facilities plans, as a whole, provide a framework for the provision of urban public facilities and services within Portland's urban service boundary.

Comprehensive Plan

Some Citywide goals in the Comprehensive Plan relate directly to capital planning. The Comprehensive Plan Goals and Policies has been adopted and updated regularly by City Council since 1981. The document is available on the City's web site: <http://www.portlandonline.com/shared/cfm/image.cfm?id=58799>. The Comprehensive Plan includes the following goals related to capital planning.

Urban Development (Goal 2)

Maintain Portland's role as the major regional employment, population, and cultural center through public policies that encourage expanded opportunity for housing and jobs, while retaining the character of established residential neighborhoods and business centers.

Neighborhoods (Goal 3)

Preserve and reinforce the stability and diversity of the city's neighborhoods while allowing for increased density in order to attract and retain long-term residents and businesses and ensure the city's residential quality and economic vitality.

Housing (Goal 4)

Enhance Portland's vitality as a community at the center of the region's housing market by providing housing of different types, tenures, density, sizes, costs, and locations that accommodate the needs, preferences, and financial capabilities of current and future households.

Economic Development (Goal 5)

Foster a strong and diverse economy that provides a full range of employment and economic choices for individuals and families in all parts of the city.

Transportation (Goal 6)

Develop a balanced, equitable, and efficient transportation system that provides a range of transportation choices; reinforces the livability of neighborhoods; supports a strong and diverse economy; reduces air, noise, and water pollution; and lessens reliance on the automobile while maintaining accessibility.

Environment (Goal 8)

Maintain and improve the quality of Portland's air, water, and land resources, and protect neighborhoods and business centers from detrimental noise pollution.

Public Facilities (Goal 11)

Provide a timely, orderly, and efficient arrangement of public facilities and services that support existing and planned land use patterns and densities.

Process Objectives

The CIP planning process is intended to provide guidance in constructing budgets and implementing projects in a coordinated manner to accomplish the following objectives.

- ◆ Help coordinate the planning and implementing of capital projects.
- ◆ Ensure coordination among City bureaus in planning and implementing capital projects.
- ◆ Ensure available capital resources, especially for General Fund bureaus, are allocated to the City's highest priority projects.
- ◆ Identify for the City Council both short- and long-term problems, opportunities, and policy issues resulting from bureau capital expenditure plans.
- ◆ Assess the short- and long-term financial impacts of capital projects on individual bureaus and the City as a whole, including an assessment of the impact on rates, debt, and revenue, as well as operations and maintenance costs.

- ◆ Ensure annual capital improvement submittals are consistent with legally required capital public facility plans.

BUDGETING PROCESS

Capital Budget Process	All bureaus that plan capital expenditures are required to develop capital budgets. In general, CIP budget development follows this process.
Bureaus	Each bureau develops five-year financial plans that detail the operating and capital requirements of the bureau and sources of funding. Simultaneously, the bureau develops a five-year capital improvement plan consistent with the financial plan. Needs are identified based on service levels, projects are proposed and analyzed for costs and benefits, requirements are prioritized, and available resources and/or funding strategies are identified.
Public Input	Public input on both the operating and capital spending priorities is received via bureau budget committees and community budget forums.
<i>Citizens have several opportunities to provide input in the budget process.</i>	For selected bureaus, the financial and capital plans are reviewed by citizen groups, such as the Portland Utility Review Board (PURB) for the Bureaus of Environmental Services and Water Works. The PURB is comprised of citizens who provide independent reviews of water, sewer, and solid waste financial plans, rates, and budgets, including the CIPs of those utilities. Similarly, the Transportation Bureau Advisory Committee, made up of citizens appointed by the Commissioner-in-Charge, reviews the CIP for the Office of Transportation, and the Parks Advisory Board reviews the Portland Parks and Recreation’s CIP.
Review by Financial Planning	The capital and financial plans are reviewed by the Office of Management and Finance’s Financial Planning Division (FPD) for reasonable assumptions, viable financing approaches, comprehensive consideration of available financing options, impacts on others (such as ratepayers), and consistency with the City’s Comprehensive Financial Management Policy. In addition, the impacts of the projects on operating and maintenance costs are identified. Recommendations may be made to specific bureaus and directly to the City Council.
Capital Review Committee	The Capital Review Committee (CRC), comprised of the bureaus seeking General Fund Capital Set-Aside funding, is convened to review capital requests. Projects are scored for aging infrastructure, safety, and mandate. Projects are also recognized if they advance other Council strategic priorities (economic vitality, River Renaissance, growth management/ livability) or have a leverage effect. Scores and rank order are assigned by FPD and reviewed by the CRC.
City Council	Once the bureaus’ CIP budget are finalized, they are submitted to City Council for review. For FY 2006-07, the Mayor formed the Infrastructure Budget Team consisting of all five Council members and five citizens. This budget team reviewed the operating and capital budgets of the five infrastructure bureaus: Bureau of Environmental Services, Office of Management and Finance, Portland Parks and Recreation, Office of Transportation, and the Bureau of Water Works. After several public meetings, including public testimony, the budget team made recommendations to the Mayor for his Proposed Budget.

PROCESS IMPROVEMENTS

Capital System Plan Committee Formed

A Capital System Plan Committee composed of senior managers in the CIP bureaus has been formed to coordinate the development of the City's facilities plan for the state. Bureau representatives are meeting to develop a coordinated, Citywide process for developing the new plan.

Asset Management Committee Formed

An Asset Management Committee has been formed to coordinate asset management among the bureaus. Bureau representatives are meeting to develop a whole-of-city approach to managing the City's assets.

PROJECT DETAIL

In addition to the bureaus' CIP narratives, each bureau section contains the details of all anticipated CIP projects. The project details include program and project titles, objective, geographic area, project description, estimated total project costs, estimated funding for art, funding sources, and net operating and maintenance costs.

Objectives

Bureaus are required to indicate which of the following five objectives best describes their capital projects.

Maintenance

Maintenance projects are necessary to prevent deterioration or return a facility to its original condition.

Replacement

Projects that correct existing deficiencies by replacing worn out parts of the capital system are deemed replacement projects. For example, these projects may include replacement of sewer lines, streets, or new facilities that relieve an existing overload.

Mandated

Mandated projects are required by the City to satisfy federal and/or state regulatory requirements or to meet general public safety standards. Examples include seismic retrofits or improvements, the combined sewer overflow project, and security improvements.

Expansion

Expansion includes projects or facilities that expand the system's current service area, such as service to newly annexed areas or extension to undeveloped or unserved areas. Projects undertaken by the City to meet new demands are intended to be consistent with the bureaus' long-range facilities plan and land use densities provided in the Comprehensive Plan, while not diminishing the ability to serve existing City residents and properties.

Efficiency

Efficiency projects are aimed at making the system more efficient through the use of technological improvements or other means. Generally speaking, these projects should save overall financial resources or provide more services without requiring additional resources.

Geographic Area	Each CIP project specifies the area within the city of Portland in which the project is located. The geographic area codes generally follow the street designators in the city.
Funding Sources	<p>Funding sources are tracked either on a project, program, or bureau basis. Funding categories include:</p> <ul style="list-style-type: none"> ◆ Bureau Revenues: Interagency revenue, cash transfers, rents, etc. ◆ Discretionary Resources: Revenues that are not specifically dedicated for a particular purpose. ◆ General Fund Discretionary: General Fund revenue can be ongoing or one-time. One-time resources may not be used to fund ongoing expenses. ◆ General Obligation (GO) Bonds: GO bonds are voter approved and typically paid through property taxes. ◆ General Transportation Revenue: City’s share of state gas tax revenues, plus local parking revenues. ◆ Grants: Federal, state, and local grant funding. ◆ Intergovernmental Revenue: Revenue from the state and other local jurisdictions. ◆ Local Improvement Districts (LIDs): The LID process provides a tool for citizens to obtain needed improvements in their neighborhoods. LID improvements can be financed through the sale of bonds that are paid by assessments against LID property owners. ◆ Revenue Bonds: These bonds are generally issued by the public utilities and paid through water and sewer rates. ◆ Service Charges and Fees: Permit or user fees, such as golf fees. ◆ Service Reimbursements: Resources provided as payment for service, usually through interagency agreements. ◆ System Development Charges: System development charges are designed to finance the purchase or development of a public park or recreational facility or the construction, extension, or enlargement of a street, water, or sewer system. ◆ Tax Increment Financing: Urban renewal areas use future tax revenues to pay for revitalization efforts, which are financed through urban renewal bonds. As property values increase, the incremental tax revenue pays off the bonds. ◆ Other Funding Types: Fund balance, other, or unfunded.
Net Operating and Maintenance Costs	Operating and maintenance (O&M) costs reflect the net ongoing operating costs associated with the project. These include additional O&M costs for new facilities, or savings that may be associated with the replacement of old equipment or facilities with new ones requiring less maintenance.
Funding for Art	Council passed Ordinance No. 179869 on January 11, 2006 to amend the percent for art program. Two percent of total eligible funds for all improvement projects goes to the Regional Arts and Culture Council and are dedicated to the selection, acquisition, fabrication, installation, maintenance, management, deaccessioning, community education, documentation, and registration of Public Art. Water and sewer capital projects are generally exempt from this program. The project detail tables in the following sections include estimated funding for art for each capital project.

Citywide Summary

Overview and Financial Tables

CIP SUMMARY

Overview	The City of Portland's FY 2006–07 Adopted CIP Budget is \$388.4 million. The Citywide CIP for FY 2006–07 through FY 2010–11 (FY 2007–11) is projected to be \$1.3 billion.
CIP Budget by Service Area	<p>The Citywide CIP budget is summarized by bureau for each service area in the Citywide Capital Costs table at the end of this section. More details of service area and bureau CIP budgets are contained in the sections that follow.</p> <p>The Public Utilities service area, including the bureaus of Environmental Services and Water Works, has the largest CIP budget in FY 2006–07 at \$254.3 million. This is followed by Transportation at \$71.2 million; Legislative, Administrative, and Support Services at \$32.7 million; Parks, Recreation, and Culture at \$28.5 million; and Public Safety at \$1.7 million.</p>
Sources of Funding	Funding for CIP projects is primarily provided through bond financing, service charges and fees, intergovernmental revenues, bureau revenues, and grants and donations. CIP funding sources are shown by service area in the table at the end of this section.
CIP Budget by Geographic Area	CIP budgets by geographic area are shown by service area in the table at the end of this section. The geographic areas follow the street designators of N, NE, SE, NW, and SW. Some capital projects overlap districts and are reflected in the geographic areas of east, west, or all areas.
Operating and Maintenance	Net operating and maintenance costs or savings associated with capital projects can be from new facilities or from replacement and rehabilitation of current facilities. If a capital project will not increase or decrease current O&M costs, then net O&M costs/savings are zero. Net O&M costs are shown by bureau for each service area in the table at the end of this section.

GENERAL FUND CAPITAL SET-ASIDE SUMMARY

General Fund projects are supported by discretionary funding and may be appropriated from the General Fund Capital Set-Aside, carryover from prior years, or by other Council actions. The General Fund Capital Set-Aside for FY 2006–07 is \$1.9 million, net of debt service commitments. Of this, \$200,000 is allocated to Parks and Recreation for the Hillside Community Center Renovation, \$650,000 to Parks and Recreation for a Parks Maintenance Facility, \$350,000 to the Office of Transportation for street lighting, \$560,000 to the Office of Transportation for Signal Hardware, and \$150,000 to the Police Bureau for Phase I of Portland Police Data System technology enhancements. The capital set-aside allocation for the Parks Maintenance Facility is contingent on the Parks Bureau developing an acquisition and construction plan by October 1, 2006.

Capital Improvement Plan — Citywide Summary

CAPITAL COSTS

This table summarizes project costs by bureaus within each service area.

Service Area	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
Public Safety								
Fire Bureau	978,800	1,515,700	1,560,073	1,560,073	1,560,073	1,560,073	1,560,073	7,800,365
Police Bureau	0	0	150,000	0	0	0	0	150,000
Total Public Safety	978,800	1,515,700	1,710,073	1,560,073	1,560,073	1,560,073	1,560,073	7,950,365
Parks, Recreation, and Culture								
Parks and Recreation	13,524,287	12,133,652	28,513,966	26,783,978	19,330,003	17,463,428	11,604,580	103,695,955
Total Parks, Recreation, and Culture	13,524,287	12,133,652	28,513,966	26,783,978	19,330,003	17,463,428	11,604,580	103,695,955
Public Utilities								
Bureau of Environmental Services	296,780,252	117,862,194	211,875,242	155,167,311	164,852,500	127,373,029	68,363,842	727,631,924
Water Bureau	15,564,331	49,497,000	42,411,500	44,822,000	49,653,000	43,116,000	44,373,000	224,375,500
Total Public Utilities	312,344,583	167,359,194	254,286,742	199,989,311	214,505,500	170,489,029	112,736,842	952,007,424
Transportation and Parking								
Office of Transportation	32,275,672	78,598,349	71,235,475	35,542,538	16,989,069	6,680,746	6,417,613	136,865,441
Total Transportation and Parking	32,275,672	78,598,349	71,235,475	35,542,538	16,989,069	6,680,746	6,417,613	136,865,441
Legislative, Administrative, and Support								
Office of Management & Finance	2,590,366	11,032,205	32,684,316	21,762,418	10,834,239	7,931,645	3,199,954	76,412,572
Total Legislative, Admin., and Support	2,590,366	11,032,205	32,684,316	21,762,418	10,834,239	7,931,645	3,199,954	76,412,572
Total City Capital Plan	\$361,713,708	\$270,639,100	\$388,430,572	\$285,638,318	\$263,218,884	\$204,124,921	\$135,519,062	\$1,276,931,757

CAPITAL FUNDING

Capital Improvement Plan — Citywide Summary

This table summarizes project funding by source for each service area.

Service Area	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
Public Safety								
Discretionary Rev - One-Time	0	474,327	150,000	0	0	0	0	150,000
Discretionary Rev - Ongoing	978,800	1,041,373	1,560,073	1,560,073	1,560,073	1,560,073	1,560,073	7,800,365
Total Public Safety	978,800	1,515,700	1,710,073	1,560,073	1,560,073	1,560,073	1,560,073	7,950,365
Parks, Recreation, and Culture								
Assessment Payments-Open	0	0	750,000	0	0	0	0	750,000
Bond and Note Sales	3,405,715	0	0	0	0	0	0	0
Bond Sales	0	0	0	1,477,488	1,092,442	395,577	140,002	3,105,509
Budgeted Beginning Fund Balance	342,996	266,200	8,806,934	1,896,234	1,683,700	1,483,700	1,398,300	15,268,868
Federal Grants	0	860,111	0	2,587,688	3,487,688	0	0	6,075,376
Interest Other	0	0	160,000	0	0	0	0	160,000
Local Cost Sharing - Metro	0	0	500,000	2,550,000	4,000,000	4,000,000	3,000,000	14,050,000
Local Cost Sharing - Portland	663,030	1,712,168	2,875,000	2,505,375	0	3,000,000	0	8,380,375
Local Cost Sharing	38,814	0	0	687,500	0	0	0	687,500
Other Miscellaneous	0	0	429,544	0	0	0	0	429,544
Local Cost Sharing -Port Of Portland	0	0	100,000	0	0	0	0	100,000
Private Grants/Donations	0	100,000	277,469	1,150,000	150,000	150,000	150,000	1,877,469
Public Works/Utility Charge	4,197,039	2,967,115	3,500,000	4,469,953	4,342,825	4,345,400	4,241,050	20,899,228
Sale of Capital Asset	0	390,550	1,651,963	1,647,041	0	0	0	3,299,004
Environmental Services	0	107,500	84,400	100,000	0	0	0	184,400
Federal Grants Fund	1,100,319	625,964	1,359,379	568,986	2,021,510	386,477	0	4,336,352
General Fund	1,435,081	1,920,032	995,204	2,424,713	2,473,838	3,652,274	2,675,228	12,221,257
Office of Transportation	0	0	19,473	0	0	0	0	19,473
Parks Bureau	631	6,045	11,600	0	0	0	0	11,600
Portland Parks Memorial Trust	122,690	215,000	80,000	0	0	0	0	80,000
Special Appropriations	413,637	0	0	0	0	0	0	0
Water Bureau	0	50,000	50,000	50,000	50,000	50,000	0	200,000
Parks Local Option Levy	1,804,335	2,912,967	6,863,000	4,669,000	28,000	0	0	11,560,000
Total Parks, Recreation, and Culture	13,524,287	12,133,652	28,513,966	26,783,978	19,330,003	17,463,428	11,604,580	103,695,955
Public Utilities								
Contribution	0	500,000	0	500,000	500,000	500,000	500,000	2,000,000
Discretionary Rev - One-Time	10,362,224	41,235,600	34,563,889	36,462,000	44,843,000	38,306,000	39,386,000	193,560,889
Discretionary Rev - Ongoing	5,202,107	410,000	2,489,000	400,000	175,000	175,000	352,000	3,591,000
Other Miscellaneous	0	0	1,500,000	1,500,000	0	0	0	3,000,000
Public Works/Utility Charge	0	1,800,000	0	2,080,000	2,080,000	2,080,000	2,080,000	8,320,000
Environmental Services	0	1,136,725	130,000	1,275,000	1,275,000	1,275,000	1,275,000	5,230,000
Federal Grants Fund	0	3,905,000	3,555,000	2,405,000	405,000	405,000	405,000	7,175,000
Office of Transportation	0	509,675	173,611	200,000	375,000	375,000	375,000	1,498,611
Sewer System Construction Fund	296,780,252	117,862,194	211,875,242	155,167,311	164,852,500	127,373,029	68,363,842	727,631,924
Total Public Utilities	312,344,583	167,359,194	254,286,742	199,989,311	214,505,500	170,489,029	112,736,842	952,007,424
Transportation and Parking								
Bond and Note Sales	0	200,000	1,925,000	375,000	0	0	0	2,300,000
Discretionary Rev - One-Time	918,690	1,216,918	2,752,445	229,695	315,000	0	0	3,297,140
Discretionary Rev - Ongoing	1,090,007	3,715,738	2,331,303	3,592,268	3,515,000	3,530,000	3,530,000	16,498,571
Local Cost Sharing - Metro	0	0	140,000	0	0	0	0	140,000
Local Cost Sharing - Portland	6,776,825	6,217,061	13,088,520	1,295,710	217,000	117,000	117,000	14,835,230
Local Cost Sharing	0	0	62,500	0	0	0	0	62,500
O H S U	199,436	2,649,811	0	0	0	0	0	0
Local Cost Sharing -Port Of Portland	1,994,985	0	3,085,427	3,902,304	2,186,105	0	0	9,173,836
Public Works/Utility Charge	6,383,943	3,296,592	7,403,695	3,567,178	1,697,866	955,726	1,003,513	14,627,978
State Cost Sharing	6,923,470	13,838,311	14,270,330	11,871,475	3,254,116	0	0	29,395,921
BFRES Facilities Bond Const Fund	0	0	292,572	0	0	0	0	292,572
Environmental Services	46,008	74,011	50,000	50,000	50,000	50,000	50,000	250,000
Federal Grants Fund	5,092,127	15,865,706	13,373,547	8,978,208	4,061,682	323,620	0	26,737,057
General Fund	1,300,000	1,450,000	1,100,000	1,450,000	1,450,000	1,450,000	1,450,000	6,900,000
Local Improvement District Construction	1,550,181	29,306,230	10,781,005	230,700	242,300	254,400	267,100	11,775,505
Water Bureau	0	767,971	579,131	0	0	0	0	579,131
Total Transportation and Parking	32,275,672	78,598,349	71,235,475	35,542,538	16,989,069	6,680,746	6,417,613	136,865,441

This table summarizes project funding by source for each service area.

Service Area	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Legislative, Administrative, and Support								
Bond and Note Sales	1,505,000	2,788,000	6,721,000	7,416,000	449,000	0	0	14,586,000
Discretionary	246,581	2,085,232	4,845,671	3,989,899	5,807,120	6,019,645	1,065,254	21,727,589
Discretionary Rev - One-Time	0	0	253,000	0	0	0	0	253,000
Local Cost Sharing - Portland	0	0	931	0	0	0	0	931
Local Cost Sharing	178,000	978,000	4,844,000	5,016,000	410,000	0	0	10,270,000
Parking Fees	0	250,000	1,954,314	2,052,000	678,700	587,200	634,700	5,906,914
Rents & Reimbursements	200,000	200,000	953,686	545,000	665,000	998,600	1,500,000	4,662,286
Sale of Real Property	0	0	1,995,000	0	0	0	0	1,995,000
State Grants	139,519	335,125	680,406	0	0	0	0	680,406
Technology Services Fund	321,266	4,395,848	8,071,405	2,443,519	2,443,419	0	0	12,958,343
Facilities Services Fund	0	0	147	0	0	26,200	0	26,347
General Fund	0	0	320,000	300,000	300,000	300,000	0	1,220,000
Police Bureau	0	0	28,410	0	81,000	0	0	109,410
Interagency Revenues	0	0	2,016,346	0	0	0	0	2,015,346
Total Legislative, Admin., and Support	2,590,366	11,032,205	32,684,316	21,762,418	10,834,239	7,931,645	3,199,954	76,412,572
Total City Capital Plan	\$361,713,708	\$270,639,100	\$388,430,572	\$285,638,318	\$263,218,884	\$204,124,921	\$135,519,062	\$1,276,931,757

GEOGRAPHIC SUMMARY

Capital Improvement Plan — Citywide Summary

This table summarizes capital costs by geographic area within each service area.

Service Area	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
Public Safety								
All Areas	978,800	1,515,700	1,710,073	1,560,073	1,560,073	1,560,073	1,560,073	7,950,365
Total Public Safety	978,800	1,515,700	1,710,073	1,560,073	1,560,073	1,560,073	1,560,073	7,950,365
Parks, Recreation, and Culture								
All Areas	3,502,890	3,794,349	13,858,226	8,076,213	9,200,825	7,895,400	7,741,050	46,771,714
Central City	150,571	558,335	2,412,034	3,805,375	0	3,000,000	0	9,217,409
East	647,380	1,209,581	3,349,505	3,703,176	301,881	0	100,716	7,455,278
North	1,386,715	3,990,222	3,683,838	2,591,747	2,498,561	1,670,177	1,324,386	11,768,709
Northeast	206,437	671,264	758,243	418,442	428,875	394,165	631,790	2,631,515
Northwest	893,297	171,489	413,811	200,000	0	4,000,000	33,021	4,646,832
Southeast	6,736,997	1,397,244	2,808,986	7,098,533	5,979,419	0	1,633,615	17,520,553
Southwest	0	208,072	773,705	890,492	920,442	503,686	140,002	3,228,327
Undefined	0	133,096	455,618	0	0	0	0	455,618
Total Parks, Recreation, and Culture	13,524,287	12,133,652	28,513,966	26,783,978	19,330,003	17,463,428	11,604,580	103,695,955
Public Utilities								
All Areas	278,927,002	100,670,342	45,188,278	42,027,390	49,034,000	45,759,000	40,861,000	222,869,668
Central City	393,597	12,531,000	8,375,000	5,059,000	1,559,000	1,824,000	3,489,000	20,306,000
East	13,820,227	19,820,000	141,941,979	104,281,021	93,641,000	69,526,000	42,106,842	451,496,842
North	5,330,185	4,891,000	11,264,000	4,670,000	5,105,000	3,750,000	7,163,000	31,952,000
Northeast	2,125,765	10,956,658	12,215,000	6,357,900	7,085,000	5,034,039	7,375,000	38,066,939
Northwest	1,310,083	2,770,000	5,335,000	16,136,000	36,337,000	34,125,000	2,075,000	94,008,000
Southeast	7,374,889	9,630,000	12,048,800	20,177,000	20,996,500	10,470,990	9,594,000	73,287,290
Southwest	2,847,615	5,385,637	12,273,250	606,000	748,000	0	73,000	13,700,250
Undefined	210,926	0	149,435	600,000	0	0	0	749,435
West	4,294	704,557	5,496,000	75,000	0	0	0	5,571,000
Total Public Utilities	312,344,583	167,359,194	254,286,742	199,989,311	214,505,500	170,489,029	112,736,842	952,007,424
Transportation and Parking								
All Areas	2,850,655	6,386,534	4,832,548	6,061,919	5,896,936	6,215,126	6,275,613	29,282,142
East	2,296,045	1,507,230	1,433,854	321,624	62,747	29,470	0	1,847,695
North	68,056	466,821	4,721,845	9,072,522	6,309,381	117,000	117,000	20,337,748
Northeast	12,603,699	18,330,006	22,472,177	12,248,853	1,495,900	0	0	36,216,930
Northwest	192,431	284,042	920,461	85,000	0	0	0	1,005,461
Southeast	1,937,241	3,948,175	15,049,330	4,167,210	1,710,797	70,774	25,000	21,023,111
Southwest	11,382,530	41,896,678	16,245,759	3,540,410	1,513,308	248,376	0	21,547,853
West	945,015	5,778,863	5,559,501	45,000	0	0	0	5,604,501
Total Transportation and Parking	32,275,672	78,598,349	71,235,475	35,542,538	16,989,069	6,680,746	6,417,613	136,865,441
Legislative, Administrative, and Support								
All Areas	567,847	6,131,080	9,468,058	4,316,469	4,163,039	1,755,405	363,300	20,066,271
Central City	709,519	3,199,125	18,884,338	14,559,949	5,003,200	5,925,860	2,836,654	47,210,001
East	0	0	55,180	0	61,000	250,380	0	366,560
North	58,000	567,000	429,000	0	0	0	0	429,000
Northeast	56,000	527,000	810,000	68,000	111,000	0	0	989,000
Northwest	0	0	1,995,000	0	0	0	0	1,995,000
Southeast	6,000	0	199,240	966,000	1,496,000	0	0	2,661,240
Southwest	1,193,000	608,000	659,000	1,852,000	0	0	0	2,511,000
Undefined	0	0	184,500	0	0	0	0	184,500
Total Legislative, Admin., and Support	2,590,366	11,032,205	32,684,316	21,762,418	10,834,239	7,931,645	3,199,954	76,412,572
Total City Capital Plan	\$361,713,708	\$270,639,100	\$388,418,972	\$285,638,318	\$263,218,884	\$204,124,921	\$135,519,062	\$1,276,931,757

Capital Improvement Plan — Citywide Summary

OPERATING AND MAINTENANCE COSTS

This table summarizes estimated net operating and maintenance costs or savings for bureaus within each service area.

Service Area	Revised	Adopted	Capital Plan					5-Year Total	
			Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09		FY 2009-10
Public Safety									
Fire Bureau	0	0	0	0	0	0	0	0	0
Police Bureau	0	0	0	0	0	0	0	0	0
Total Public Safety	0	0	0	0	0	0	0	0	0
Parks, Recreation, and Culture									
Parks and Recreation	0	0	1,275,000	1,858,599	2,648,729	3,939,729	3,914,650	13,636,707	
Total Parks, Recreation, and Culture	0	0	1,275,000	1,858,599	2,648,729	3,939,729	3,914,650	13,636,707	
Public Utilities									
Bureau of Environmental Services	0	0	285,000	1,422,000	1,524,790	1,634,750	1,490,390	6,356,930	
Water Bureau	0	0	(500)	2,575	2,850	4,025	4,000	12,950	
Total Public Utilities	0	0	284,500	1,424,575	1,527,640	1,638,775	1,494,390	6,369,880	
Transportation and Parking									
Office of Transportation	0	0	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	25,000,000	
Total Transportation and Parking	0	0	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	25,000,000	
Legislative, Administrative, and Support									
Office of Management & Finance	0	0	(135,000)	(260,000)	(260,000)	(260,000)	(260,000)	(1,175,000)	
Total Legislative, Admin., and Support	0	0	(135,000)	(260,000)	(260,000)	(260,000)	(260,000)	(1,175,000)	
Total City Capital Plan	\$ 0	\$ 0	\$ 6,424,500	\$ 8,023,174	\$ 8,916,369	\$ 10,318,504	\$ 10,149,040	\$ 43,831,587	

Public Safety..... **17**
 Police Bureau 19
 Fire Bureau..... 25



Police Bureau

Public Safety Service Area

Overview and Financial Tables

BUREAU SUMMARY

CIP Highlights	The FY 2006-07 Adopted Budget includes a \$150,000 capital improvement project funded from the General Fund Capital Set-Aside. The funds will provide for a replacement study of the Portland Police Data System (PPDS). PPDS is a records management system used to store and sort a variety of crime data. This is the first phase of a five-year project to migrate the aging system to modern technology, with the goal of remaining the exclusive regional provider of a law enforcement records management system.
Changes from Prior Year	The Police Bureau will receive \$150,000 from the General Fund Capital Set-Aside in FY 2006-07 for the PPDS study discussed above. Last year, the Police Bureau received \$80,000 from the General Fund Capital Set-Aside to purchase a bomb robot.

STRATEGIC DIRECTION

Council Goals and Priorities	The bureau's capital improvement projects support the City goal of ensuring a safe and peaceful community.
2004-06 Community Policing Strategic Plan	The Police Bureau's strategic plan identifies the upgrade of PPDS as an important strategic need. The plan encourages the promotion of PPDS as a cost-effective records management system to area law enforcement agencies, and states that the bureau should pursue the upgrade of PPDS and other information systems to meet bureau and community needs.

CAPITAL PLANNING & BUDGETING

Capital Planning Process	In early November 2005, the Chief asked executive staff and division managers to submit recommendations for Capital Set-Aside requests. After review, six requests were submitted to the Capital Review Committee for consideration. These requests sought funds to study PPDS replacement, to purchase new equipment for the property and evidence warehouse, and to purchase a mobile surveillance vehicle.
Financial Forecast Overview	The PPDS study funded with Capital Set-Aside funds in FY 2006-07 is only the first phase of a costly and complex project. The entire replacement project is estimated to take four to five years and cost approximately \$5.2 million. No funds have been identified beyond the \$150,000 provided in FY 2006-07.

CAPITAL PROGRAMS & PROJECTS

PPDS Project Description	PPDS is a crucial system in a computerized network that provides regional law enforcement officials with timely crime data. PPDS is owned by the City of Portland, but provides information to many other subscribing jurisdictions in the region.
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The Portland Police Data System is an aging infrastructure with no vendor support. If not replaced in the near future, the asset will become outdated. Funds are provided in FY 2006-07 for phase one of PPDS replacement and will support the initial planning process for replacement.

Funding Source

The total cost of PPDS replacement is estimated at \$5.2 million over four to five years. Currently, the only funds that have been identified are \$150,000 from the General Fund Capital Set-Aside for preparation of a replacement study.

GEOGRAPHIC SUMMARY

Capital Improvement Plan — Police Bureau

This table summarizes capital costs by geographic area within each bureau in this service area.

Service Area	Revised		Adopted	Capital Plan					
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total	
Police Bureau									
All Areas		0	0	150,000	0	0	0	0	150,000
Total Police Bureau	\$	0 \$	0 \$	150,000 \$	0 \$	0 \$	0 \$	0 \$	150,000

Capital Improvement Plan — Police Bureau

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program	Prior Years	Revised FY 2005–06	Adopted FY 2006–07	Capital Plan				5–Year Total
				FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	
Police Bureau								
Other								
PPDS Technology Enhancement		0	0	150,000	0	0	0	150,000
Total Other		0	0	150,000	0	0	0	150,000
Total Police Bureau	\$	0 \$	0 \$	150,000 \$	0 \$	0 \$	0 \$	150,000

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Other

PPDS Technology Enhancement

Total Project Cost: 150,000

Area: All Areas

Dollars for Art:

Objective(s): Replacement

Project Description

This is the initial planning phase of a five-year project to replace the outdated Portland Police Data System.

Funding Sources

Discretionary Rev - One-Time	0	0	150,000	0	0	0	0	150,000
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Total Funding Sources	0	0	150,000	0	0	0	0	150,000
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Expenditures

External Materials & Services			150,000					
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Total Expenditures	0	0	150,000	0	0	0	0	150,000
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Operating & Maintenance Costs			0	0	0	0	0	0
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Fire Bureau

Public Safety Service Area

Overview and Financial Tables

BUREAU SUMMARY

CIP Highlights	The FY 2006-07 Adopted Budget includes \$1,560,073 for fire apparatus replacement.
Major Issues	<p>Portland Fire & Rescue (PF&R) established its apparatus replacement plan during the late 1980s. The plan calls for replacement of all frontline fire engines and trucks at 15 years or 100,000 miles but keeps them in reserve status for five additional years before they are sold or donated. However, due to repeated budget cuts in recent years, PF&R is now two years, or six engines, behind in the replacement schedule.</p> <p>PF&R's 15-year or 100,000-mile replacement standard for frontline apparatus is slightly behind neighboring or like-size fire departments along the West Coast. Experience shows that older apparatus have higher maintenance costs. More critically, older apparatus have higher chances of breakdown during emergency responses.</p>
Changes from Prior Year	The FY 2006-07 Adopted Budget increases the ongoing funding amount for fire apparatus replacement from \$1.0 million in FY 2005-06 to over \$1.5 million a year.

STRATEGIC DIRECTION

Council Goals and Priorities	PF&R's capital projects support the City goal of ensuring a safe and peaceful community.
City Comprehensive Plan	The projects do not address the City's Comprehensive Plan.

CAPITAL PLANNING & BUDGETING

Capital Planning Process	PF&R's capital planning process is inclusive. In early December 2005, the Fire Chief sent a memo to all PF&R employees and the Portland Fire Fighters Association president soliciting input on FY 2006-07 capital budget requests. At the PF&R Budget Committee meeting on December 13, 2005, staff presented an overview of the City's capital budget process and PF&R capital budget. The committee members were also asked to provide input on PF&R's FY 2006-07 capital budget requests. The Budget Committee consists of citizens and labor and employee representatives, as well as the bureau's Core Leadership Team.
Financial Forecast Overview	The apparatus replacement project is part of a 15-year replacement plan, which was developed to achieve the 15-year or 100,000-mile apparatus replacement objective. It is assumed that the average annual mileage remains constant and apparatus purchase prices increase 3% a year over the forecast period. Given these assumptions, the average cost to achieve the replacement standard is \$1.9 million a year.

**Asset Management
and Replacement
Plans**

The FY 2006-07 apparatus replacement project is included in PF&R's 15-year apparatus replacement plan.

CAPITAL PROGRAMS & PROJECTS

**Program and Project
Description**

The apparatus replacement project is under the Emergency Operations/Logistics program. Logistics provides direct support to PF&R emergency operations. These services include repairs, maintenance, and replacement of fire apparatus; repair and maintenance of the City's 29 fire stations; implementation of the General Obligation bond program for fire station seismic rehabilitation and construction; and ordering and stocking of protective uniforms, equipment, and supplies that ensure the operational readiness of all fire stations 24 hours a day, seven days a week.

Funding Sources

Apparatus replacement is funded by General Fund ongoing discretionary resources.

**Net Operating and
Maintenance Costs or
Savings**

Fire apparatus maintenance costs are included in PF&R's operating budget. Timely apparatus replacement should to some extent reduce maintenance costs. However, the bureau does not currently have enough data to quantify the maintenance cost savings.

GEOGRAPHIC SUMMARY

Capital Improvement Plan — Fire Bureau

This table summarizes capital costs by geographic area within each bureau in this service area.

Service Area	Revised		Adopted	Capital Plan				
Geographic Area	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
Fire Bureau								
All Areas	978,800	1,515,700	1,560,073	1,560,073	1,560,073	1,560,073	1,560,073	7,800,365
Total Fire Bureau	\$ 978,800	\$ 1,515,700	\$ 1,560,073	\$ 1,560,073	\$ 1,560,073	\$ 1,560,073	\$ 1,560,073	\$ 7,800,365

Capital Improvement Plan — Fire Bureau

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program ^d	Prior Years	Revised	Adopted	Capital Plan				5-Year Total
		FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	
Project								
Fire Bureau								
Emergency Response								
Apparatus Replacement	978,800	1,515,700	1,560,073	1,560,073	1,560,073	1,560,073	1,560,073	7,800,365
Total Emergency Response	978,800	1,515,700	1,560,073	1,560,073	1,560,073	1,560,073	1,560,073	7,800,365
Total Fire Bureau	\$ 978,800	\$ 1,515,700	\$ 1,560,073	\$ 1,560,073	\$ 1,560,073	\$ 1,560,073	\$ 1,560,073	\$ 7,800,365

Prior Years	Revised	Adopted	Capital Plan					5-Year Total
	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		

Emergency Response

Apparatus Replacement

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Replacement

Project Description

This project provides for the replacement of fire apparatus in accordance with Portland Fire & Rescue's apparatus replacement plan, which is in line with plans of comparable fire jurisdictions in terms of the life of apparatus. PF&R intends to replace frontline fire engines and trucks after 15 years or 100,000 miles and puts them in reserve status for an additional five years. Extending the life of apparatus would increase maintenance/repair costs and increase the chances of breakdown or malfunction during emergency responses. Due to repeated budget reductions in recent years, PF&R has not been able to maintain the 15-year or 100,000-mile replacement plan and is now about two years, or six engines, behind in the replacement schedule. Apparatus replacement is an ongoing need. The budget of \$1,560,073 will be used to purchase four fire engines.

Funding Sources

Discretionary Rev - Ongoing	978,800	1,041,373	1,560,073	1,560,073	1,560,073	1,560,073	1,560,073	7,800,365
Discretionary Rev - One-Time	0	474,327	0	0	0	0	0	0
Total Funding Sources	978,800	1,515,700	1,560,073	1,560,073	1,560,073	1,560,073	1,560,073	7,800,365

Expenditures

Minor Capital Outlay			1,560,073					
Total Expenditures	978,800	1,515,700	1,560,073	1,560,073	1,560,073	1,560,073	1,560,073	7,800,365

Operating & Maintenance Costs

			0	0	0	0	0	0
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Parks, Recreation, and Culture **31**
Parks and Recreation 33



Parks and Recreation

Parks, Recreation, and Culture Service Area

Overview and Financial Tables

BUREAU SUMMARY

Bureau Mission

Portland Parks and Recreation (PP&R) contributes to Portland's vitality by:

- ◆ Establishing and safeguarding the parks, natural resources, and urban forest that are the soul of the city, ensuring that green spaces are accessible to all
- ◆ Developing and maintaining excellent facilities and places for public recreation
- ◆ Building community through play and relaxation, gathering, and solitude
- ◆ Providing and coordinating recreation services and programs that contribute to the health and well being of residents of all ages and abilities

CIP Highlights

PP&R has in excess of \$835 million of built assets in addition to some 10,000 acres of open space. PP&R's Capital Improvement Plan (CIP) is built on four strategic goals based on City Council's priorities, Parks 2020 Vision Plan, and PP&R's Total Asset Management Plan:

- ◆ Restore failing infrastructure and extend the life of existing parks and buildings.
- ◆ Ensure a family-friendly city, and address the lack of equitable distribution of services across the city through park and facility development and land acquisition.
- ◆ Support population growth and density increases in neighborhoods by providing additional park and recreation facilities.
- ◆ Respond to new trends and citywide visions.

The PP&R capital program for FY 2006-07 projects expenditures of more than \$28 million. Of this, 76% of project funds will be spent on family-friendly related projects, and 24% will be spent on maintaining infrastructure. Significant projects are briefly described below.

Family-Friendly Projects

East Portland Community Center Aquatics - \$10.9 million (multi-year commitment)

- ◆ This facility will serve families in the outer east portion of Portland. The Parks Levy is the primary funding source for this capital project. Public meetings are completed, design is underway, and construction is anticipated to begin in 2007 with facility completion in spring 2008.
- ◆ Of the \$10.9 million, \$3.8 million is a new allocation of one-time General Fund discretionary resources set aside pending construction, at which time they will be transferred to PP&R's Capital Construction and Maintenance fund.

University Park Community Center Phase III - \$2.4 million (multi-year commitment)

- ◆ Funded by the Parks Levy and federal UPARR grant funds, this project includes the renovation of 12,000 square feet and construction of a new gymnasium at University Park Community Center in north Portland. Construction will begin in April 2006 with completion in 2007.

Washington Monroe Site Acquisition - \$5.4 (multi-year commitment).

- ◆ The Washington Monroe site has been purchased from Portland Public Schools for the future development of a community center and sports field that will serve the inner Southeast neighborhood and surrounding area. The City is required to repay the loan within three years. Payments will rely on the sale of surplus assets and/or tax increment financing, as available.

Sellwood Gap Trail on Springwater - \$2.0 million

- ◆ Funded by Federal Metropolitan Transportation Improvement Priorities (MTIP) grant and Metro bond funds, this one mile segment will complete a continuous trail of 19 miles. Design began in Spring 2006 with construction anticipated for 2007.

River District Neighborhood Park - \$2.7 million

- ◆ The third in a series of River District parks, this project includes design and construction of a neighborhood park to support the new population. It will be funded by PDC using tax increment financing. Public meetings and design work are anticipated to begin summer 2006.

Infrastructure Projects

Parks Maintenance Facilities - \$3.6 million (multi-year commitment)

- ◆ A key infrastructure project is development of parks maintenance facilities that will replace Mt. Tabor Yard, a highly deteriorated, non-code compliant facility. A combination of General Fund and Parks Levy funds are applied to this project. Identification of appropriate property, design, and relocation of staff is anticipated for spring 2006 through spring 2007.
- ◆ Of the total funding, \$650,000 is General Fund discretionary resources set aside in fund contingency pending completion of a facilities plan due by October 2006.

Deferred Maintenance - \$1.6 million

- ◆ City Council allocated both one-time and ongoing funds for FY 2005-06 to address deferred maintenance. This budget adds another \$346,582 of ongoing funding. Ongoing funding for deferred maintenance totals \$795,288 in FY 2006-07.
- ◆ Projects continued in FY 2006-07 include Fulton Community Center plumbing repair, Multnomah Arts Center ceiling repair, and park restroom repair at seven locations.

Multiple Objectives Project

Three Downtown Parks Projects - \$3.5 million

- ◆ O'Bryant Square renovation addresses infrastructure concerns. Work will include design and construction for a new plaza at South Park Block Five, renovation of O'Bryant Square, and planning work for Ankeny Park on Burnside (no construction funding is available at this time). Funding for the Three Downtown Parks project comes from Parks Levy, PDC tax increment financing, and a significant private donation from Mr. Tom Moyer.

Major Issues

PP&R has and continues to face several key challenges in relation to capital investment. These include:

Unmet Service Needs

There are parts of Portland where families and residents do not have ready access to parks or recreation facilities. Along with deteriorating infrastructure, this has been a citizen concern that is voiced regularly and was thoroughly documented in the Parks 2020 Vision Plan. Providing new parks and recreation facilities is difficult because they require additional operating and maintenance dollars, which are scarce. At the same time, citizens and legal mandates remind us that City services are not distributed equitably.

Funding

As PP&R creatively seeks alternative funding sources to respond to priority needs, some types of projects are more readily funded than others. The system development charge (SDC) and tax increment financing in urban renewal areas are good sources for projects that respond to population growth, but these cannot be used in non-growth areas or outside urban renewal boundaries. Grant funding typically targets specific topic or geographic areas. Finding funding for park projects in stable, non-urban renewal areas is a major challenge.

Aging Infrastructure

The City's park system dates back to 1860 and includes many heavily used facilities. The aging infrastructure limits service levels in parks, community centers, and cultural facilities. Years of reduced investment and deferred maintenance have further aged assets.

Certainty of Operating and Maintenance Funds

One of the greatest issues facing the PP&R system is the increasing cost of operations and maintenance (O&M). A dependable, annual revenue stream for O&M is essential to maintaining the park system.

Changes from Prior Year

This proposal is generally in keeping with previous CIP submissions. Major changes include:

- ◆ Inclusion of several major trail projects following Council's success in securing MTIP federal grant funds. Projects include the Sellwood Gap, Waud Bluff, and Marine Drive trails in southeast, north and northeast Portland.
- ◆ Availability of additional SDC funds for acquisitions and development in growth areas. These funds are available due to increases in SDC charges approved by Council in December 2004 and effective July 1, 2005. However, in addition to the increase, the City fully exempted all affordable housing from the park SDC, including for-profit affordable development. The change to the program provides approximately 30% cost recovery to address park needs for our growing population.

STRATEGIC DIRECTION**Council Goals and Priorities****Family Friendly**

The Mayor and Council have emphasized the need for Portland to be a family-friendly city and PP&R responds to this priority in two ways. There are areas in the city that lack park and recreation facilities. Here PP&R responds to families by providing services to those neighborhoods. Approximately 43% of project funds for 2006-2007 address this issue with an investment of \$8 million. Key projects that will support families include the new aquatic facility at East Portland Community Center and the new gymnasium at University Park Community Center in north Portland.

As population grows within the city, the priority on family livability becomes important. Approximately 33% of project funds in FY 2006-07 address population growth and livability, with an investment of \$6.2 million. A key investment area is land acquisition for parks and natural areas.

Maintaining Infrastructure

The Council's strong focus on the City wide problem of deteriorating infrastructure has highlighted the importance of addressing the city's maintenance needs. PP&R has responded with approximately 24% of project funds for FY 2006-07 addressing infrastructure repair, with an investment of \$4.4 million. Key projects include playground repairs across the city, restroom and plumbing repairs in numerous facilities, and the development of new park maintenance and service facilities.

City Comprehensive Plan

PP&R's capital improvement projects are consistent with the City Comprehensive Plan directives. Goal 11F of the City Comprehensive Plan addresses public facilities and directs PP&R to maximize the quality, safety, and usability of parklands and facilities through the efficient maintenance and operation of park improvements, preservation of parks and open space, and equitable allocation of active and passive recreation opportunities for the citizens of Portland.

Improvements should be based on low, long-term maintenance costs, broad community support, and location in deficient areas that are adjacent to schools and other public facilities. They should also support neighborhood stabilization and community development projects and policies, and be consistent with park master development plans.

Whenever possible increasing the supply of new parkland should be based on the following criteria:

- ◆ Acquire land in areas where serious geographical and service level deficiencies exist.
- ◆ Acquire land where necessary to complete the Forty Mile Loop system.
- ◆ Acquire surplus land.
- ◆ Acquire land that is environmentally unique and where there are natural drainageways.

Management Direction Relevant strategies within PP&R's Strategic Business Plan providing direction for capital projects are:

Asset Development and Maintenance:

- ◆ Develop and maintain a total asset management strategy that guides decisions relating to the planning, development, maintenance and disposal of assets.

Growth Management:

- ◆ Acquire and develop sufficient open space to provide for both the protection of natural resources and provision of recreation opportunities.

Natural Areas Management:

- ◆ Manage natural areas based on City watershed management principles.
- ◆ Implement ecosystem management strategies for all natural areas using scientific principles.

Urban Forest Canopy:

- ◆ Develop a greening strategy to create canopy corridors through the city along rights-of-way and connecting greenspaces.

Financial Sustainability:

- ◆ Diversify PP&R's revenue base for the development of new facilities and services to ensure that the community's changing and growing recreation needs are geographically met in an equitable manner.

CAPITAL PLANNING & BUDGETING

Capital Planning Process

The capital planning process is ongoing and iterative, and includes community interaction and coordination along with City of Portland bureau coordination.

Within the bureau, staff compile and organize capital project proposals from numerous sources: Parks 2020 Vision Plan, the Total Assessment Management assessment, and projects brought forward by PP&R staff that relate to specific problem solving. A CIP committee reviews all potential projects.

Community interest in capital projects is clearly articulated through the Parks 2020 Vision Plan. The plan documents a thorough capital program and projects proposed annually are reviewed for conformance with the 2020 Vision Plan. In addition, PP&R initiates park master plan discussions with specific neighborhoods. Each year staff complete five to seven new master plans with capital programs and search for funding sources to make these improvements. The CIP committee includes these projects in their review.

PP&R participates in numerous coordinating efforts regarding capital projects with other City bureaus by being active members in the City-wide capital systems team as well as the asset management team. Park development is integral to many City planning efforts, and PP&R staff coordinate through a variety of teams.

Asset Management and Replacement Plans

As adopted by City Council December 2005, PP&R has a total asset management methodology that includes systematic inventory, facility condition assessment, and documentation for all PP&R assets. The first asset group, Major Buildings, has been recently completed.

By 2007 all asset categories will have been assessed and reported.

Major Buildings

- ◆ Inventory, assessment and summary report have been completed.

Art Centers /Pools

- ◆ Inventory and assessment have been completed, and a summary report will be available in fall 2006.

Minor Buildings

- ◆ An inventory has been completed, and the assessment and final summary report will be completed bywinter 2007.

Amenities

- ◆ An inventory has been completed with a preliminary report due in winter 2007.

Infrastructure

- ◆ An inventory has been completed with a preliminary report due in winter 2007.

Landscape

- ◆ An inventory has been completed with a preliminary report due in winter 2007.

Natural Areas

- ◆ An inventory and assessment has been completed. A summary report is due in Spring 2007.

Surveys and assessments of each asset group will likely reveal a specific backlog of investment that are needed. Upon completion of this process, PP&R will be in a position to develop a financial strategy for future asset management.

Growth Management Issues

Parks 2020 Vision Plan anticipates population growth of approximately 65,000 people in the City of Portland by 2020. The community and PP&R staff joined together to develop a capital investment plan to respond to growth management. System development charge and tax increment funding continue to be excellent sources of revenue for projects related to growth.

The Parks 2020 Vision Plan targeted a world-class system incorporating comprehensive system elements equitably distributed across the city. An approximate estimate of the total capital cost is in the range of \$325 - \$375 million, or approximately \$17.5 million per year for 20 years. PP&R has averaged somewhat below this target with \$12.4 in CIP expenditure over the past four years.

All capital projects are checked for compliance with Parks 2020 Vision Plan. There are five areas where PP&R works to show accomplishments:

1. Acquire land and develop parks.
2. Protect and improve natural resources.
3. Protect and improve urban forest.
4. Expand and develop recreation facilities and programs.
5. Develop park access, trails, and connectivity.

Annual progress reports are available, beginning this year, which document progress toward the Parks 2020 Vision Plan.

CAPITAL PROGRAMS & PROJECTS

Program Description PP&R has six key capital program areas:

Acquisitions

Property acquisition priorities will continue to be focused on the purchase of land that protects natural resources. PP&R has a Natural Resources Acquisition Strategy that establishes priorities over the next 50 years. The potential Metro bond measure may be a significant opportunity for acquisitions, especially in natural resource areas. In addition, acquisitions will be focused on neighborhood and community parks in growth areas.

Facilities

PP&R's facilities focus is on major maintenance including repair and renovation of community centers and aquatic and arts facilities. The one-time funding by City Council in FY 2005-06, along with the revenue bond for \$7 million are significant opportunities to address the maintenance backlog. The project priorities are informed by PP&R's Total Assessment Management methodology.

Natural Areas and Trails

Capital projects for natural areas include investing in habitat restoration, removing invasive species, and establishing the desired future condition. PP&R's ecosystem management plan establishes the direction for this work.

Trail development priorities are described in PP&R's trail strategy, which includes acquisition, design, and construction priorities for the next 50 years.

Developed Parks

PP&R's 2020 Vision Plan addresses the need for developed parks and sets the background for current work on a system plan and service strategy. These two park planning efforts will inform the FY 2007-08 CIP for developed parks.

Portland International Raceway (PIR)

A conditional use master plan has been established for PIR, and 30 capital projects have been identified to improve the financial viability and competitive positioning of this facility. Revenue strategies for implementation of these projects are incomplete, but typically rely on enterprise funds generated by PIR revenues.

Golf

Portland's golf program is self-supporting and comprised of five 18-hole golf courses at four locations throughout the metropolitan area. Capital improvement needs were summarized in a Report to Council in April 2005, and include priority needs at each of the four locations. Funding strategies are incomplete at this time.

Major Projects by Program

Acquisitions

- ◆ Washington Monroe
- ◆ SDC acquisitions

Facilities

- ◆ East Portland Community Center Aquatics
- ◆ University Park Community Center Phase III
- ◆ PP&R Service Zone Facilities
- ◆ Seismic Work on Three Facilities

Natural Areas and Trails

- ◆ Springwater Three Bridges
- ◆ Springwater Sellwood Gap
- ◆ Potential Metro Bond Acquisitions

Developed Parks

- ◆ Three Downtown Parks
- ◆ River District Neighborhood Park
- ◆ Earl Boyles Park
- ◆ Holly Farm Park
- ◆ Skateparks at Glenhaven and Pier Park

Net Operating and Maintenance Costs or Savings

The methodology to determine additional O&M costs utilizes three phases which reflect increasing accuracy as the project progresses.

- ◆ The first estimate, based on comparable facilities, is developed when a potential project is in the planning phase. The level of information is broad and the estimate is approximate.
- ◆ The second estimate, based on project-specific information, is developed when schematic design drawings are available by maintenance experts in relevant topic areas. This estimate is documented and stored in an electronic format, and the level of accuracy is increased.
- ◆ The final estimate is completed when construction documents are reviewed by maintenance staff.

O&M Cost Status

The majority of projects for FY 2006-07 are infrastructure repair projects and will not increase current maintenance expenditures. Projects for which there is a significant net O&M cost include the following by anticipated year of operation:

Funded in FY 2006-07 Adopted Budget

- ◆ Springwater Three Bridges: \$6,800
- ◆ Kelley Point Park canoe launch: \$10,500
- ◆ UPCC Phase II: \$49,000
- ◆ McCoy Park: \$58,711

Forecast for FY 2007-08

- ◆ Lents Little League: \$36,100
- ◆ Patton Square: \$2,600 lighting
- ◆ Glenhaven Skatepark: \$56,500, Parks Levy
- ◆ Pier Park Skatepark: \$17,400 new
- ◆ Holly Farm Park: \$53,500 new
- ◆ Earl Boyles Park: \$66,900, new
- ◆ University Park Community Center phase III: \$140,200, Parks Levy
- ◆ PP&R Maintenance Facilities: \$276,000, new
- ◆ River District Neighborhood Park: \$109,400, new
- ◆ Springwater Sellwood Gap: \$28,000, new
- ◆ Cathedral Park stormwater: \$10,000 new

Forecast for FY 2008-09

- ◆ East Portland CC Aquatics: \$665,730, Parks Levy
- ◆ South Park Block 5: \$156,333, new
- ◆ Marine Drive Trail: \$28,000, new
- ◆ Waud Bluff Trail: \$28,000, new

Capital Improvement Plan — Parks and Recreation

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this service area.

Service Area	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Parks and Recreation								
Undefined	0	133,096	588,714	0	0	0	0	588,714
All Areas	3,502,890	3,794,349	13,858,226	8,076,213	9,200,825	7,895,400	7,741,050	46,771,714
Central City	150,571	558,335	2,412,034	3,805,375	0	3,000,000	0	9,217,409
East	647,380	1,209,581	3,349,505	3,703,176	301,881	0	100,716	7,455,278
North	1,386,715	3,990,222	3,683,838	2,591,747	2,498,561	1,670,177	1,324,386	11,768,709
Northeast	206,437	671,264	758,243	418,442	428,875	394,165	631,790	2,631,515
Northwest	893,297	171,489	413,811	200,000	0	4,000,000	33,021	4,646,832
Southeast	6,736,997	1,397,244	2,808,986	7,098,533	5,979,419	0	1,633,615	17,520,553
Southwest	0	208,072	773,705	890,492	920,442	503,686	140,002	3,228,327
Total Parks and Recreation	\$ 13,524,287	\$ 12,133,652	\$ 28,513,966	\$ 26,783,978	\$ 19,330,003	\$ 17,463,428	\$ 11,604,580	\$103,695,955

CAPITAL PROJECTS

Capital Improvement Plan — Parks and Recreation

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
Parks and Recreation								
Acquisitions								
Acquisition SDC-Community Parks	400,000	0	50,000	1,500,000	1,500,000	1,500,000	1,500,000	6,050,000
Acquisition SDC-Natural Areas	0	0	9,168	25,000	25,000	25,000	0	84,168
Acquisition SDC-Neighborhood Pks	0	400,000	300,000	250,000	250,000	250,000	250,000	1,300,000
Acquisition SDC-Trails	50,000	50,000	25,000	25,000	25,000	25,000	0	100,000
Acquisition-Park Deficient Area	0	100,000	650,000	1,300,000	1,800,000	300,000	300,000	4,350,000
Acquisition-Park Opportunity	45,203	50,000	50,000	50,000	50,000	50,000	0	200,000
SDC Bonds & Grants	1,505,136	963,225	891,325	892,913	892,825	895,400	891,050	4,463,513
SDC Common Costs	1,196,700	1,403,890	9,494,428	1,600,000	1,600,000	1,600,000	1,600,000	15,894,428
Wash Monroe Building Demolition	0	0	429,544	0	0	0	0	429,544
Washington Monroe Acquisition	5,405,715	390,550	0	1,647,041	0	0	0	1,647,041
Total Acquisitions	8,602,754	3,357,665	11,899,465	7,289,954	6,142,825	4,645,400	4,541,050	34,518,694
Aquatics								
Buckman Pool Renovation	0	432,106	150,000	0	0	0	0	150,000
Dishman Pool Replaster	0	107,921	95,000	200,000	0	0	0	295,000
East Portland CC Pool	240,074	300,000	2,877,392	3,309,000	0	0	0	6,186,392
Mt. Scott Pool Ventilation & UV	0	124,190	111,010	0	0	0	0	111,010
Pier Pool Renovation	0	133,096	131,504	0	0	0	0	131,504
UV Pool Disinfection	0	0	130,437	0	0	0	0	130,437
Total Aquatics	240,074	1,097,313	3,495,343	3,509,000	0	0	0	7,004,343
Facilities								
Community Music Center Seismic	0	0	0	21,596	36,591	0	1,608,716	1,666,903
Dishman CC, FCI Upgrades	0	0	0	0	428,875	394,165	534,030	1,357,070
Dishman Foundation Waterproofing	0	160,505	140,000	0	0	0	0	140,000
Duniway Running Track Replacement	0	0	181,131	0	0	0	0	181,131
Fulton CC Plumbing	0	43,702	31,598	0	0	0	0	31,598
Fulton CC, FCI Upgrades	0	0	0	112,944	0	108,109	0	221,053
Hillside CC Fire	893,297	0	200,000	200,000	0	0	0	400,000
Hillside CC, FCI Upgrades	0	0	0	0	0	0	33,021	33,021
Irrigation Wells Installation	2,700	122,300	99,000	173,300	0	0	0	272,300
Lents - Walker Stadium Restroom	0	209,581	189,619	0	0	0	0	189,619
MAC Electrical Room Leak	0	14,370	9,630	0	0	0	0	9,630
Montavilla CC, FCI Upgrades	0	0	0	0	0	0	24,899	24,899
Mt. Scott Auditorium Beam Repair	0	11,934	10,066	0	0	0	0	10,066
Mt. Scott CC, FCI Upgrades	0	0	0	345,178	301,881	0	100,716	747,775
Multnomah Arts Center Annex	0	0	0	0	0	395,577	67,372	462,949
Multnomah Arts Center FCI Upgrade	0	0	0	704,188	704,188	0	72,630	1,481,006
Multnomah Arts Pottery	0	0	0	0	108,254	0	0	108,254
Parks Maintenance Facility	521,224	0	774,025	1,380,000	1,340,000	0	0	3,494,025
Peninsula CC, FCI Upgrades	0	0	0	218,442	0	0	97,760	316,202
Pioneer Square Waterproof Study	0	66,200	27,000	0	0	0	0	27,000
Pittock Mansion Masonry Repair	0	0	82,000	0	0	3,000,000	0	3,082,000
Pittock Mansion Plumbing	0	71,900	69,200	0	0	0	0	69,200
Restrooms - 7 locations	0	0	86,957	400,000	280,000	0	0	766,957
Riverplace Dock Repair	0	0	47,827	0	0	0	0	47,827
Sellwood CC, FCI Upgrades	0	0	0	323,636	0	0	0	323,636
Southwest CC, FCI Upgrades	0	0	0	73,360	108,000	0	0	181,360
St. John's CC, FCI Upgrades	0	0	0	0	69,650	0	126,086	195,736
Structural & Seismic Reports	0	196,934	81,066	0	0	0	0	81,066
University Park CC Phase II	613,191	487,500	692,187	0	0	0	0	692,187
University Park CC Phase III	604,675	3,000,000	1,956,522	0	0	0	0	1,956,522
University Park CC, FCI Upgrades	0	0	0	100,559	0	0	0	100,559
Washington Park Restroom	0	99,589	62,611	0	0	0	0	62,611
Woodstock CC, FCI Upgrades	0	0	0	0	38,841	0	0	38,841
Total Facilities	2,635,087	4,484,515	4,740,439	4,053,203	3,416,280	3,897,851	2,665,230	18,773,003
Golf								

Parks, Recreation, and Culture Service Area

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program Project	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Golf Small CIP Projects	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000	
Total Golf	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000	
Natural Areas									
Bridgeton Trail	0	0	92,606	500,000	0	0	0	592,606	
Columbia South Shore Trail Improvements	122,690	215,000	35,000	0	0	0	0	35,000	
Forest Park Entrance/Trailhead	0	0	0	0	0	1,000,000	0	1,000,000	
Kelley Point Park Canoe Launch	631	127,722	100,000	0	0	0	0	100,000	
Marine Drive Trail Gaps	0	0	191,277	142,000	357,523	386,477	0	1,077,277	
Metro Bond - Natural Areas	0	0	0	1,500,000	2,500,000	3,000,000	3,000,000	10,000,000	
Oaks Bottom Restoration	0	0	0	1,687,500	1,250,000	0	0	2,937,500	
Springwater Corridor - Sellwood Gap	0	0	426,986	604,026	1,663,987	0	0	2,694,999	
Springwater Corridor - Three Bridges	630,124	88,464	61,536	0	0	0	0	61,536	
Springwater Trail Bridge Repair	0	0	47,914	0	0	0	0	47,914	
Swan Island Waud Bluff Trail	0	0	134,528	587,688	587,688	0	0	1,309,904	
Westmoreland Pk -Crystal Springs	179,934	0	433,000	1,434,734	1,650,000	0	0	3,517,734	
Total Natural Areas	933,379	431,186	1,522,847	6,455,948	8,009,198	4,386,477	3,000,000	23,374,470	
Parks									
Ankeny Plaza - Waterfront Park	0	0	208,411	100,000	0	0	0	308,411	
Cathedral Park Parking Lot	0	100,000	84,400	0	0	0	0	84,400	
Centennial Mills	0	0	0	0	0	3,000,000	0	3,000,000	
Clatsop Butte LID - SE 152nd	0	0	0	48,998	0	0	0	48,998	
Common Cost Pool	0	0	1,554,758	0	0	0	0	1,554,758	
Earl Boyles Park	0	300,000	214,905	0	0	0	0	214,905	
Eastridge Park	0	50,000	150,000	0	0	0	0	150,000	
Fernhill Park Rehabilitation	0	87,838	78,069	0	0	0	0	78,069	
Glenhaven Skatepark	83,747	100,000	410,174	0	0	0	0	410,174	
Holly Farm	0	150,000	551,346	0	0	0	0	551,346	
Lead Paint - Playgrounds	0	50,000	50,000	50,000	50,000	50,000	0	200,000	
Lents Park (Little League)	407,306	700,000	282,494	0	0	0	0	282,494	
Major Maint Proj Balances	0	0	324,114	0	0	0	0	324,114	
North Interstate Urban Renewal	159,642	75,000	42,387	0	0	0	0	42,387	
O'Bryant Square & 3 Downtown Parks	24,251	9,934	173,914	1,234,967	0	0	0	1,408,881	
Parks Play Structures	103,151	258,000	186,087	110,000	28,000	0	0	324,087	
Patton Square Redevelopment	8,576	150,000	193,931	0	0	0	0	193,931	
Pier Park Skatepark	0	50,000	196,000	0	0	0	0	196,000	
River District Neighborhood Park	0	340,115	1,476,527	1,200,000	0	0	0	2,676,527	
South Park Block 5	126,320	142,086	478,355	1,270,408	0	0	0	1,748,763	
Total Parks	912,993	2,562,973	6,655,872	4,014,373	78,000	3,050,000	0	14,094,845	
Portland International Raceway									
PIR - RV Park	0	0	0	0	1,283,700	0	0	1,283,700	
PIR Broadacres Paving	0	0	0	0	0	1,283,700	0	1,283,700	
PIR Maintenance Building	0	0	0	332,000	0	0	0	332,000	
PIR Pedestrian Bridge	0	0	0	929,500	0	0	0	929,500	
PIR Venue Sign	0	0	0	0	0	0	1,198,300	1,198,300	
PIR Water Quality Swales/Filters	0	0	0	0	200,000	0	0	200,000	
Total Portland International Raceway	0	0	0	1,261,500	1,483,700	1,283,700	1,198,300	5,227,200	
Total Parks and Recreation	\$ 13,524,287	\$ 12,133,652	\$ 28,513,966	\$ 26,783,978	\$ 19,330,003	\$ 17,463,428	\$ 11,604,580	\$ 103,695,955	

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Acquisitions

Acquisition SDC-Community Parks

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Mandate, Expansion

Project Description

Acquisition of land for community parks in areas of the City experiencing population growth.

Funding Sources

Public Works/Utility Charge	400,000	0	50,000	1,500,000	1,500,000	1,500,000	1,500,000	6,050,000
Total Funding Sources	400,000	0	50,000	1,500,000	1,500,000	1,500,000	1,500,000	6,050,000

Expenditures

Minor Capital Outlay			50,000					
Total Expenditures	400,000	0	50,000	1,500,000	1,500,000	1,500,000	1,500,000	6,050,000
Operating & Maintenance Costs			2,000	20,000	20,000	20,000	20,000	82,000

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Acquisition SDC-Natural Areas

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Mandate, Expansion

Project Description

Park SDC Funds are earmarked for City wide acquisition of natural areas. Parks has recently acquired considerable amounts of natural area with SDC funding including the 48 acre Lakeman Orkney site near OHSU.

Funding Sources

Public Works/Utility Charge	0	0	9,168	25,000	25,000	25,000	0	84,168
Total Funding Sources	0	0	9,168	25,000	25,000	25,000	0	84,168

Expenditures

Personal Services			9,168					
Total Expenditures	0	0	9,168	25,000	25,000	25,000	0	84,168
Operating & Maintenance Costs			0	1,000	1,000	1,000	0	3,000

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Acquisition SDC-Neighborhood Pks

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Mandate, Expansion

Project Description

Acquisition of land for neighborhood parks in areas of the City experiencing greatest population growth.

Funding Sources

Public Works/Utility Charge	0	400,000	300,000	250,000	250,000	250,000	250,000	1,300,000
Total Funding Sources	0	400,000	300,000	250,000	250,000	250,000	250,000	1,300,000

Expenditures

Minor Capital Outlay			300,000					
Total Expenditures	0	400,000	300,000	250,000	250,000	250,000	250,000	1,300,000
Operating & Maintenance Costs			5,000	4,000	4,000	4,000	4,000	21,000

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Acquisition SDC-Trails				Total Project Cost:				Area: All Areas
				Dollars for Art:				Objective(s): Mandate, Expansion
Project Description								
City Wide acquisition expansion of trail system to increase capacity in response to growth of population.								
Funding Sources								
Public Works/Utility Charge	50,000	50,000	25,000	25,000	25,000	25,000	0	100,000
Total Funding Sources	50,000	50,000	25,000	25,000	25,000	25,000	0	100,000
Expenditures								
Personal Services			13,560					
Minor Capital Outlay			11,440					
Total Expenditures	50,000	50,000	25,000	25,000	25,000	25,000	0	100,000
Operating & Maintenance Costs			500	1,000	1,000	1,000	0	3,500

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Acquisition-Park Deficient Area				Total Project Cost:				Area: All Areas
				Dollars for Art:				Objective(s): Mandate, Expansion
Project Description								
Acquisition of property for parks in areas of the city identified as being park deficient.								
Funding Sources								
General Fund	0	0	0	150,000	150,000	150,000	150,000	600,000
Local Cost Sharing - Metro	0	0	500,000	1,000,000	1,500,000	0	0	3,000,000
Private Grants/Donations	0	100,000	150,000	150,000	150,000	150,000	150,000	750,000
Total Funding Sources	0	100,000	650,000	1,300,000	1,800,000	300,000	300,000	4,350,000
Expenditures								
Minor Capital Outlay			650,000					
Total Expenditures	0	100,000	650,000	1,300,000	1,800,000	300,000	300,000	4,350,000
Operating & Maintenance Costs			15,000	20,000	25,000	5,000	5,000	70,000

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Acquisition-Park Opportunity				Total Project Cost:				Area: All Areas
				Dollars for Art:				Objective(s): Mandate, Expansion
Project Description								
This is a common fund to enable acquisition of properties that become threatened if not purchased when opportunity arises.								
Funding Sources								
Public Works/Utility Charge	45,203	50,000	50,000	50,000	50,000	50,000	0	200,000
Total Funding Sources	45,203	50,000	50,000	50,000	50,000	50,000	0	200,000
Expenditures								
Minor Capital Outlay			50,000					
Total Expenditures	45,203	50,000	50,000	50,000	50,000	50,000	0	200,000
Operating & Maintenance Costs			2,000	2,000	2,000	2,000	2,000	10,000

PROJECT DETAIL

Capital Improvement Plan — Parks and Recreation

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
SDC Bonds & Grants				Total Project Cost:				Area: All Areas
				Dollars for Art:				Objective(s): Expansion
Project Description								
Debt retirement for SDC Line of Credit.								
Funding Sources								
Public Works/Utility Charge	1,505,136	963,225	891,325	892,913	892,825	895,400	891,050	4,463,513
Total Funding Sources	1,505,136	963,225	891,325	892,913	892,825	895,400	891,050	4,463,513
Expenditures								
Total Expenditures	0	0	0	0	0	0	0	0
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
SDC Common Costs				Total Project Cost:				Area: All Areas
				Dollars for Art:				Objective(s): Mandate, Expansion
Project Description								
SDC's provide funds for park land acquisition in growth areas across the city. The SDC program administration costs and its debt service are covered by costs listed in this project.								
Funding Sources								
Budgeted Beginning Fund Balance	0	0	5,599,290	0	0	0	0	5,599,290
Public Works/Utility Charge	1,196,700	1,403,890	1,793,175	1,600,000	1,600,000	1,600,000	1,600,000	8,193,175
Sale of Capital Asset	0	0	1,651,963	0	0	0	0	1,651,963
Assessment Payments-Open	0	0	450,000	0	0	0	0	450,000
Total Funding Sources	1,196,700	1,403,890	9,494,428	1,600,000	1,600,000	1,600,000	1,600,000	15,894,428
Expenditures								
Personal Services			155,100					
External Materials & Services			59,950					
Internal Materials & Services			13,887					
Contingency			9,263,366					
Total Expenditures	1,196,700	1,403,890	9,492,303	1,600,000	1,600,000	1,600,000	1,600,000	15,892,303
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Wash Monroe Building Demolition			Total Project Cost:					Area: Southeast
			Dollars for Art:					Objective(s): Replacement
Project Description								
Half of the former Washington Monroe school site was purchased by the City to be a future community center. This project will include selective demolition of buildings on the site to clear and stabilize the landscape for future construction.								
Funding Sources								
Other Miscellaneous	0	0	429,544	0	0	0	0	429,544
Total Funding Sources	0	0	429,544	0	0	0	0	429,544
Expenditures								
Personal Services			16,782					
Minor Capital Outlay			412,762					
Total Expenditures	0	0	429,544	0	0	0	0	429,544
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Washington Monroe Acquisition			Total Project Cost:					Area: Southeast
			Dollars for Art:					Objective(s): Expansion
Project Description								
Parks Bureau purchased the old Washington Monroe School site on SE 11th and Stark. The property in southeast Portland will become a community center with a sports field when money can be raised to build the center.								
Funding Sources								
General Fund	1,000,000	0	0	0	0	0	0	0
Public Works/Utility Charge	1,000,000	0	0	0	0	0	0	0
Sale of Capital Asset	0	390,550	0	1,647,041	0	0	0	1,647,041
Bond and Note Sales	3,405,715	0	0	0	0	0	0	0
Total Funding Sources	5,405,715	390,550	0	1,647,041	0	0	0	1,647,041
Expenditures								
Total Expenditures	5,405,715	390,550	0	1,647,041	0	0	0	1,647,041
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

Aquatics

Buckman Pool Renovation

Total Project Cost:
Dollars for Art:

Area: Southeast
Objective(s): Maintenance, Efficiency

Project Description

In April 2005 Buckman Pool was closed for evaluation due to significant leakage that could have undermined the building structure. Analysis of the pool's overall condition brought forward a recommendation to renovate it for more efficient and safe operation. In October 2005 City Council approved \$400,000 (non-levy dollars) to repair Buckman Pool. It should re open in summer 2006.

Funding Sources

Budgeted Beginning Fund Balance	0	0	150,000	0	0	0	0	150,000
General Fund	0	432,106	0	0	0	0	0	0
Total Funding Sources	0	432,106	150,000	0	0	0	0	150,000

Expenditures

Personal Services			3,894					
Minor Capital Outlay			146,106					
Total Expenditures	0	432,106	150,000	0	0	0	0	150,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

Dishman Pool Replaster

Total Project Cost:
Dollars for Art:

Area: Northeast
Objective(s): Maintenance, Efficiency

Project Description

The pool needs to be replastered to prevent cuts and abrasions to pool users, and the gutter grading needs to be replaced to reduce falls.

Funding Sources

Budgeted Beginning Fund Balance	0	0	95,000	0	0	0	0	95,000
General Fund	0	107,921	0	0	0	0	0	0
Bond Sales	0	0	0	200,000	0	0	0	200,000
Total Funding Sources	0	107,921	95,000	200,000	0	0	0	295,000

Expenditures

Personal Services			8,079					
Minor Capital Outlay			86,921					
Total Expenditures	0	107,921	95,000	200,000	0	0	0	295,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
East Portland CC Pool				Total Project Cost:		6,618,000		
				Dollars for Art:		83,518	Area:	East
							Objective(s):	Expansion
Project Description								
As part of the 2002 Parks Levy package a new indoor aquatic facility will be constructed at East Portland Community Center. The project is slated to be completed in summer 2008. In addition to the levy-supported amount shown here, there is \$3.8 million set aside in the General Fund to cover additional costs related to construction.								
Funding Sources								
Parks Local Option Levy	240,074	300,000	2,877,392	3,309,000	0	0	0	6,186,392
Total Funding Sources	240,074	300,000	2,877,392	3,309,000	0	0	0	6,186,392
Expenditures								
Personal Services			38,571					
Minor Capital Outlay			2,838,821					
Total Expenditures	240,074	300,000	2,877,392	3,309,000	0	0	0	6,186,392
Operating & Maintenance Costs			0	0	665,730	665,730	665,730	1,997,190

	Revised		Adopted	Capital Plan				5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Mt. Scott Pool Ventilation & UV				Total Project Cost:				Area:	Southeast
				Dollars for Art:				Objective(s):	Maintenance, Efficiency
Project Description									
Completion of this project addresses air quality deficiencies and improved ventilation in the enclosed aquatic facility. The previous air circulation system was not designed for the current amount of pool use. The project also converted the existing pool disinfection system to an ultraviolet system. This will be safer and also improve air quality.									
Funding Sources									
Budgeted Beginning Fund Balance	0	0	111,010	0	0	0	0	111,010	
General Fund	0	124,190	0	0	0	0	0	0	
Total Funding Sources	0	124,190	111,010	0	0	0	0	111,010	
Expenditures									
Personal Services			11,010						
Minor Capital Outlay			100,000						
Total Expenditures	0	124,190	111,010	0	0	0	0	111,010	
Operating & Maintenance Costs			0	0	0	0	0	0	

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Pier Pool Renovation				Total Project Cost:				Area: Undefined
				Dollars for Art:				Objective(s): Maintenance, Efficiency
Project Description								
Pier Pool is in need of major maintenance to insure safe and efficient operation. A scope of work is being prepared to repair mechanical systems and physical deterioration to the facility.								
Funding Sources								
Budgeted Beginning Fund Balance	0	0	131,504	0	0	0	0	131,504
Federal Grants	0	133,096	0	0	0	0	0	0
Total Funding Sources	0	133,096	131,504	0	0	0	0	131,504
Expenditures								
Personal Services			18,504					
Minor Capital Outlay			113,000					
Total Expenditures	0	133,096	131,504	0	0	0	0	131,504
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
UV Pool Disinfection				Total Project Cost:				Area: All Areas
				Dollars for Art:				Objective(s): Maintenance, Replacement, Efficiency
Project Description								
This project will install ultraviolet light disinfection systems at Columbia, Dishman, and SWCC pools. This will greatly improve air quality and protect user health in the enclosed aquatic facilities. A similiar system was installed at Mt. Scott Pool in 2005.								
Funding Sources								
General Fund	0	0	130,437	0	0	0	0	130,437
Bond Sales	0	0	0	0	0	0	0	0
Total Funding Sources	0	0	130,437	0	0	0	0	130,437
Expenditures								
Personal Services			11,984					
Minor Capital Outlay			118,453					
Total Expenditures	0	0	130,437	0	0	0	0	130,437
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Facilities

Community Music Center Seismic Upgrade

Total Project Cost:

Area: Southeast

Dollars for Art:

Objective(s): Maintenance, Mandate

Project Description

A 2006 seismic and structural study will look at costs and alternative solutions for repair of building structural and seismic problems. The "Hose Tower", at the Community Music Center (an old firehouse), is constructed of unreinforced brick that does not meet current seismic codes.

Funding Sources

General Fund	0	0	0	21,596	36,591	0	1,608,716	1,666,903
Total Funding Sources	0	0	0	21,596	36,591	0	1,608,716	1,666,903

Expenditures

Total Expenditures	0	0	0	21,596	36,591	0	1,608,716	1,666,903
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Dishman CC, FCI Upgrades

Total Project Cost:

Area: Northeast

Dollars for Art:

Objective(s): Maintenance, Efficiency

Project Description

Future work recommended by the 2005 Facilities Condition Index (FCI) report includes moisture protection, door and window replacement, finish repairs, and mechanical and electrical upgrades.

Funding Sources

General Fund	0	0	0	0	428,875	394,165	534,030	1,357,070
Total Funding Sources	0	0	0	0	428,875	394,165	534,030	1,357,070

Expenditures

Total Expenditures	0	0	0	0	428,875	394,165	534,030	1,357,070
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Dishman Foundation Waterproofing

Total Project Cost:

Area: Northeast

Dollars for Art:

Objective(s): Maintenance, Replacement, Efficiency

Project Description

The Dishman Community Center foundation on the east wall has been leaking and needs major repair. This project will restore the structural integrity of the foundation wall.

Funding Sources

Budgeted Beginning Fund Balance	0	0	140,000	0	0	0	0	140,000
General Fund	0	160,505	0	0	0	0	0	0
Total Funding Sources	0	160,505	140,000	0	0	0	0	140,000

Expenditures

Personal Services			5,595					
Minor Capital Outlay			134,405					
Total Expenditures	0	160,505	140,000	0	0	0	0	140,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Duniway Running Track Replacement

Total Project Cost:

Area: Southwest

Dollars for Art:

Objective(s): Maintenance, Replacement

Project Description

The heavily used Duniway running track is past its useful life. Worn thin and containing obvious holes, it will be replaced with a new track surface to insure user safety and increase facility longevity.

Funding Sources

General Fund	0	0	181,131	0	0	0	0	181,131
Bond Sales	0	0	0	0	0	0	0	0
Total Funding Sources	0	0	181,131	0	0	0	0	181,131

Expenditures

Personal Services			11,724					
External Materials & Services			13,183					
Minor Capital Outlay			156,224					
Total Expenditures	0	0	181,131	0	0	0	0	181,131
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Fulton CC Plumbing

Total Project Cost:
Dollars for Art:

Area: Southwest
Objective(s): Maintenance, Efficiency

Project Description

This project will replace outdated domestic water piping at Fulton CC. Most of the piping in the structure is original.

Funding Sources

Budgeted Beginning Fund Balance	0	0	31,598	0	0	0	0	31,598
General Fund	0	43,702	0	0	0	0	0	0
Total Funding Sources	0	43,702	31,598	0	0	0	0	31,598

Expenditures

Personal Services			8,598					
Minor Capital Outlay			23,000					
Total Expenditures	0	43,702	31,598	0	0	0	0	31,598
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Fulton CC, FCI Upgrades

Total Project Cost:
Dollars for Art:

Area: Southwest
Objective(s): Maintenance, Replacement, Efficiency

Project Description

Based on the recommendations from the 2005 Parks Building FCI report, improvements and repairs to Fulton CC's floors, finishes, and mechanical systems will be made in the next five years.

Funding Sources

General Fund	0	0	0	112,944	0	108,109	0	221,053
Total Funding Sources	0	0	0	112,944	0	108,109	0	221,053

Expenditures

Total Expenditures	0	0	0	112,944	0	108,109	0	221,053
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Hillside CC Fire

Total Project Cost:

Area: Northwest

Dollars for Art:

Objective(s): Maintenance, Replacement, Efficiency

Project Description

A fire occurred at the community center in October 2003. Parks closed the facility to repair the damage and move forward with other repairs to the building. The center needs a new roof, exterior siding, waterproofing, and window replacement to repair and prevent further water damage. Parks borrowed from internal funding sources and requested \$600,000 from the General Fund over the next three years to pay back the levy.

Funding Sources

Parks Local Option Levy	479,660	0	0	0	0	0	0	0
Special Appropriations	413,637	0	0	0	0	0	0	0
General Fund	0	0	200,000	200,000	0	0	0	400,000
Total Funding Sources	893,297	0	200,000	200,000	0	0	0	400,000

Expenditures

Internal Materials & Services			200,000					
Total Expenditures	893,297	0	200,000	200,000	0	0	0	400,000
Operating & Maintenance Costs			7,700	7,700	7,700	7,700	7	30,807

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Hillside CC, FCI Upgrades

Total Project Cost:

Area: Northwest

Dollars for Art:

Objective(s): Maintenance, Efficiency

Project Description

The 2005 Parks FCI report recommended improvement to the mechanical system, stairs, and building finishes in the next five years.

Funding Sources

General Fund	0	0	0	0	0	0	33,021	33,021
Total Funding Sources	0	0	0	0	0	0	33,021	33,021

Expenditures

Total Expenditures	0	0	0	0	0	0	33,021	33,021
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Irrigation Wells Installation				Total Project Cost:				Area: All Areas
				Dollars for Art:				Objective(s): Replacement, Efficiency
Project Description								
The purpose of this project is to install irrigation wells in Westmoreland and Parklane parks. Costs cover drilling, pumps, controls, and connection to irrigation system. Wells provide substantial utility cost savings which compensates for some additional maintenance costs.								
Funding Sources								
Budgeted Beginning Fund Balance	0	0	99,000	0	0	0	0	99,000
General Fund	2,700	122,300	0	0	0	0	0	0
Bond Sales	0	0	0	173,300	0	0	0	173,300
Total Funding Sources	2,700	122,300	99,000	173,300	0	0	0	272,300
Expenditures								
Minor Capital Outlay			99,000					
Total Expenditures	2,700	122,300	99,000	173,300	0	0	0	272,300
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Lents - Walker Stadium Restroom				Total Project Cost:				Area: East
				Dollars for Art:				Objective(s): Maintenance, Efficiency
Project Description								
Lents Park and Walker Stadium are heavily used facilities in east Portland. In a recent bureau review, the restrooms underneath Walker Stadium ranked as the restroom facility in greatest need of repair and renovation. The Lents Walker Stadium facility is one of nine park restroom facilities slated for renovation in the next three to four years.								
Funding Sources								
Budgeted Beginning Fund Balance	0	0	189,619	0	0	0	0	189,619
General Fund	0	209,581	0	0	0	0	0	0
Total Funding Sources	0	209,581	189,619	0	0	0	0	189,619
Expenditures								
Personal Services			8,619					
Minor Capital Outlay			181,000					
Total Expenditures	0	209,581	189,619	0	0	0	0	189,619
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

MAC Electrical Room Leak

Total Project Cost:

Area: Southwest

Dollars for Art:

Objective(s): Maintenance

Project Description

During the facility assessment of Multnomah Arts Center in summer 2005, a water leak in the electrical room was identified. Staff determined that options for repair should be provided by an outside consultant. Repairs will be made as quickly and efficiently as possible.

Funding Sources

Budgeted Beginning Fund Balance	0	0	9,630	0	0	0	0	9,630
General Fund	0	14,370	0	0	0	0	0	0
Total Funding Sources	0	14,370	9,630	0	0	0	0	9,630

Expenditures

Personal Services			630					
Minor Capital Outlay			9,000					
Total Expenditures	0	14,370	9,630	0	0	0	0	9,630
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Montavilla CC, FCI Upgrades

Total Project Cost:

Area: Southeast

Dollars for Art:

Objective(s): Maintenance, Efficiency

Project Description

The Parks 2005 FCI report recommended improvements to building finishes as well as doors and windows at Montavilla Community Center within the next five years.

Funding Sources

General Fund	0	0	0	0	0	0	24,899	24,899
Total Funding Sources	0	0	0	0	0	0	24,899	24,899

Expenditures

Total Expenditures	0	0	0	0	0	0	24,899	24,899
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Mt. Scott Auditorium Beam Repair

Total Project Cost:

Area: Southeast

Dollars for Art:

Objective(s): Maintenance, Efficiency

Project Description

During a late summer 2005 structural inspection of the roof construction over the Mt. Scott auditorium a damaged beam connection was discovered. This project will repair the structural problem.

Funding Sources

Budgeted Beginning Fund Balance	0	0	10,066	0	0	0	0	10,066
General Fund	0	11,934	0	0	0	0	0	0
Total Funding Sources	0	11,934	10,066	0	0	0	0	10,066

Expenditures

Personal Services			3,066					
Minor Capital Outlay			7,000					
Total Expenditures	0	11,934	10,066	0	0	0	0	10,066
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Mt. Scott CC, FCI Upgrades								
	Total Project Cost:							Area: East
	Dollars for Art:							Objective(s): Maintenance, Efficiency
Project Description								
The 2005 Parks FCI report recommended improvements to the doors, windows, building finishes, and mechanical and electrical systems at Mt. Scott Community Center over the next five years.								
Funding Sources								
General Fund	0	0	0	345,178	301,881	0	100,716	747,775
Total Funding Sources	0	0	0	345,178	301,881	0	100,716	747,775
Expenditures								
Total Expenditures	0	0	0	345,178	301,881	0	100,716	747,775
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Multnomah Arts Center Annex								
	Total Project Cost:							Area: Southwest
	Dollars for Art:							Objective(s): Maintenance, Replacement, Efficiency
Project Description								
The 2005 Parks FCI recommended repair and maintenance of doors, windows, and mechanical and electrical systems as well as building finishes and thermal protection for these facilities within the next five years.								
Funding Sources								
Bond Sales	0	0	0	0	0	395,577	67,372	462,949
Total Funding Sources	0	0	0	0	0	395,577	67,372	462,949
Expenditures								
Total Expenditures	0	0	0	0	0	395,577	67,372	462,949
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Multnomah Arts Center FCI Upgrade								
	Total Project Cost:							Area: Southwest
	Dollars for Art:							Objective(s): Maintenance, Replacement, Efficiency
Project Description								
The 2005 Parks FCI recommends substantial upgrades and improvements to the stairs, walls, thermal protection, doors, windows, and both the mechanical and electrical systems in the main building at Multnomah Arts Center. This project does not address seismic upgrades, which are also needed.								
Funding Sources								
Bond Sales	0	0	0	704,188	704,188	0	72,630	1,481,006
Total Funding Sources	0	0	0	704,188	704,188	0	72,630	1,481,006
Expenditures								
Total Expenditures	0	0	0	704,188	704,188	0	72,630	1,481,006
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Multnomah Arts Pottery					Total Project Cost:				Area: Southwest
					Dollars for Art:				Objective(s): Maintenance, Replacement, Efficiency
Project Description									
The Parks 2005 Facility Condition Index report pointed out a wide variety of building deficiencies from floors to windows, doors, finishes, and the electrical and mechanical systems of the pottery building. Maintenance and repair is recommended within the next five years.									
Funding Sources									
Bond Sales	0	0	0	0	108,254	0	0	108,254	
Total Funding Sources	0	0	0	0	108,254	0	0	108,254	
Expenditures									
Total Expenditures	0	0	0	0	108,254	0	0	108,254	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted		Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Parks Maintenance Facility					Total Project Cost:				Area: Southeast
					Dollars for Art:				Objective(s): Maintenance, Replacement, Expansion, Efficiency
Project Description									
This project will address the need to replace Parks maintenance facilities at East Delta Park and Mt. Tabor Yard with one or more facilities. The bureau is weighing options and costs of potential maintenance facility alternatives. \$1 million is available from the Parks Levy, and another \$3 million is sought from the General Fund over the next few years. Decisions about real estate options will occur in early 2006. A team comprised of Parks' property manger, architect, and marketing manager has been assembled to lead the project into design and construction phases.									
Funding Sources									
Budgeted Beginning Fund Balance	0	0	295,764	0	0	0	0	295,764	
Parks Local Option Levy	268,777	0	478,261	550,000	0	0	0	1,028,261	
General Fund	252,447	0	0	830,000	1,340,000	0	0	2,170,000	
Total Funding Sources	521,224	0	774,025	1,380,000	1,340,000	0	0	3,494,025	
Expenditures									
Personal Services			41,721						
Minor Capital Outlay			732,304						
Total Expenditures	521,224	0	774,025	1,380,000	1,340,000	0	0	3,494,025	
Operating & Maintenance Costs			0	0	0	276,000	276,000	552,000	

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Peninsula CC, FCI Upgrades			Total Project Cost:					Area: Northeast
			Dollars for Art:					Objective(s): Maintenance, Replacement, Efficiency
Project Description	The Parks 2005 FCI recommended replacing doors and windows (1913 vintage) and pool mechanical systems as well as repairing building finishes within the next 5 years.							
Funding Sources								
General Fund	0	0	0	218,442	0	0	97,760	316,202
Total Funding Sources	0	0	0	218,442	0	0	97,760	316,202
Expenditures								
Total Expenditures	0	0	0	218,442	0	0	97,760	316,202
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Pioneer Square Waterproof Study			Total Project Cost:					Area: Central City
			Dollars for Art:					Objective(s): Maintenance, Efficiency
Project Description	The Pioneer Courthouse Square plaza membrane is 20 years, old and there are leaks, particularly through the visitor information center skylights. This project will study alternatives for repair and replacement. A decision about repairs will follow once the study is complete.							
Funding Sources								
Budgeted Beginning Fund Balance	0	66,200	27,000	0	0	0	0	27,000
Bond and Note Sales	0	0	0	0	0	0	0	0
Total Funding Sources	0	66,200	27,000	0	0	0	0	27,000
Expenditures								
Personal Services			3,066					
Minor Capital Outlay			23,934					
Total Expenditures	0	66,200	27,000	0	0	0	0	27,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Pittock Mansion Masonry Repair

Total Project Cost:

Area: Northwest

Dollars for Art:

Objective(s): Maintenance

Project Description

Pittock Mansion is a valuable historic property in immediate need of some major maintenance to avoid further exterior deterioration from water damage. Leaks from the eastside terrace into the basement area need repair. The stone facing of the mansion needs to be cleaned and repaired, including tuckpointing and sealing of the sandstone. Some of the sandstone has badly deteriorated and may need replacement. A preliminary estimate of repair costs will be prepared in 2006. In addition, the structural integrity of the facility will be evaluated and a cost estimate prepared.

Funding Sources

Budgeted Beginning Fund Balance	0	0	82,000	0	0	0	0	82,000
General Fund	0	0	0	0	0	3,000,000	0	3,000,000
Total Funding Sources	0	0	82,000	0	0	3,000,000	0	3,082,000

Expenditures

Minor Capital Outlay			82,000					
Total Expenditures	0	0	82,000	0	0	3,000,000	0	3,082,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Pittock Mansion Plumbing

Total Project Cost:

Area: Northwest

Dollars for Art:

Objective(s): Maintenance, Efficiency

Project Description

This plumbing project will replace failing pipes at Pittock Mansion. The domestic water pipes that serve the top three floors of the mansion are leaking at the joints.

Funding Sources

Budgeted Beginning Fund Balance	0	0	69,200	0	0	0	0	69,200
General Fund	0	71,900	0	0	0	0	0	0
Total Funding Sources	0	71,900	69,200	0	0	0	0	69,200

Expenditures

Personal Services			19,200					
Minor Capital Outlay			50,000					
Total Expenditures	0	71,900	69,200	0	0	0	0	69,200
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Restrooms - 7 locations

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Maintenance, Efficiency

Project Description

Based on a recent user survey, improving the condition of park restrooms is a top priority for park users. The Portland Parks system has 110 restrooms. Only 40 were renovated under the last general obligation bond. The most highly used restrooms in the worst condition will be addressed first. These include Mt. Tabor Summit, Columbia Annex, Colonel Summers, Fernhill, Terwilliger, and North Park Blocks.

Funding Sources

General Fund	0	0	86,957	0	0	0	0	86,957
Bond Sales	0	0	0	400,000	280,000	0	0	680,000
Total Funding Sources	0	0	86,957	400,000	280,000	0	0	766,957

Expenditures

Personal Services			14,448					
Minor Capital Outlay			72,509					
Total Expenditures	0	0	86,957	400,000	280,000	0	0	766,957
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Riverplace Dock Repair

Total Project Cost:

Area: Central City

Dollars for Art:

Objective(s): Maintenance, Replacement, Efficiency

Project Description

The bullrails, lighting, and fire protection system on the transient dock at Riverplace Marina will be replaced and repaired. Dock is permitted by Parks for cruise ships and during the summer for overnight visitors.

Funding Sources

General Fund	0	0	47,827	0	0	0	0	47,827
Bond Sales	0	0	0	0	0	0	0	0
Total Funding Sources	0	0	47,827	0	0	0	0	47,827

Expenditures

Personal Services			22,824					
Minor Capital Outlay			25,003					
Total Expenditures	0	0	47,827	0	0	0	0	47,827
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Sellwood CC, FCI Upgrades								
	Total Project Cost:							
	Dollars for Art:							
				Area:	Southeast			
				Objective(s):	Maintenance, Replacement, Efficiency			
Project Description								
The 2005 Parks FCI report recommended substantial upgrades and improvements to the structure, finishes, mechanical and electrical systems, and doors and windows be completed within five years.								
Funding Sources								
General Fund	0	0	0	323,636	0	0	0	323,636
Total Funding Sources	0	0	0	323,636	0	0	0	323,636
Expenditures								
Total Expenditures	0	0	0	323,636	0	0	0	323,636
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Southwest CC, FCI Upgrades								
	Total Project Cost:							
	Dollars for Art:							
				Area:	Southwest			
				Objective(s):	Maintenance, Replacement, Efficiency			
Project Description								
Although SWCC is a reasonably new structure, the 2005 Parks FCI report recommended that repairs on doors and windows, mechanical systems, and building finishes should be made within the next 5 years.								
Funding Sources								
General Fund	0	0	0	73,360	108,000	0	0	181,360
Total Funding Sources	0	0	0	73,360	108,000	0	0	181,360
Expenditures								
Total Expenditures	0	0	0	73,360	108,000	0	0	181,360
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
St. John's CC, FCI Upgrades								
	Total Project Cost:							
	Dollars for Art:							
				Area:	North			
				Objective(s):	Maintenance, Replacement, Efficiency			
Project Description								
The 2005 Parks FCI recommends that work on doors, windows, building finishes, and mechanical systems be completed within the next five years at the facility.								
Funding Sources								
General Fund	0	0	0	0	69,650	0	126,086	195,736
Total Funding Sources	0	0	0	0	69,650	0	126,086	195,736
Expenditures								
Total Expenditures	0	0	0	0	69,650	0	126,086	195,736
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Structural & Seismic Reports

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Maintenance, Efficiency

Project Description

This project will prepare Phase 2 seismic and structural reports for Pittock Mansion, Multnomah Arts Center, Mt. Scott Community Center, and Sellwood Community Center. A comprehensive analysis of structural stability of these facilities is needed before proceeding with future repairs.

Funding Sources

Budgeted Beginning Fund Balance	0	0	81,066	0	0	0	0	81,066
General Fund	0	196,934	0	0	0	0	0	0
Total Funding Sources	0	196,934	81,066	0	0	0	0	81,066

Expenditures

Personal Services			3,066					
Minor Capital Outlay			78,000					
Total Expenditures	0	196,934	81,066	0	0	0	0	81,066
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

University Park CC Phase II

Total Project Cost:

Area: North

Dollars for Art:

Objective(s): Maintenance, Replacement, Expansion

Project Description

The upgrading of University Park Community Center is being accomplished over the course of three primary phases. Phase I has renovated the north wing of the existing community center primarily with CIP funds. Phase II expands the south wing of the existing community center primarily with funds from a federal grant. Phase III will construct a renovated gym for the community center with funds from the Parks Levy. These three phases implement a facility master plan completed during 1998.

Funding Sources

Budgeted Beginning Fund Balance	46,238	0	206,140	0	0	0	0	206,140
Federal Grants Fund	566,953	487,500	486,047	0	0	0	0	486,047
Total Funding Sources	613,191	487,500	692,187	0	0	0	0	692,187

Expenditures

Personal Services			14,076					
Minor Capital Outlay			678,111					
Total Expenditures	613,191	487,500	692,187	0	0	0	0	692,187
Operating & Maintenance Costs			51,800	51,800	51,800	51,800	51,800	259,000

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total

University Park CC Phase III

Total Project Cost:
Dollars for Art:

Area: North
Objective(s): Maintenance, Replacement, Expansion

Project Description

Phase III of the University Park CC project will provide a larger, improved gymnasium with locker rooms and a new fitness room. Construction will be completed in 2006.

Funding Sources

Parks Local Option Levy	604,675	2,250,000	1,956,522	0	0	0	0	1,956,522
General Fund	0	225,000	0	0	0	0	0	0
Federal Grants	0	525,000	0	0	0	0	0	0
Total Funding Sources	604,675	3,000,000	1,956,522	0	0	0	0	1,956,522

Expenditures

Personal Services			16,908					
Minor Capital Outlay			1,939,614					
Total Expenditures	604,675	3,000,000	1,956,522	0	0	0	0	1,956,522
Operating & Maintenance Costs			140,200	140,200	140,200	140,200	140,200	701,000

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total

University Park CC, FCI Upgrades

Total Project Cost:
Dollars for Art:

Area: North
Objective(s): Maintenance, Efficiency

Project Description

The 2005 Parks FCI noted some minor improvements needed in this newly renovated facility, most notably in the area of thermal moisture protection. Repairs are recommended within the next five years.

Funding Sources

General Fund	0	0	0	100,559	0	0	0	100,559
Total Funding Sources	0	0	0	100,559	0	0	0	100,559

Expenditures

Total Expenditures	0	0	0	100,559	0	0	0	100,559
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Washington Park Restroom

Total Project Cost:

Area: Northwest

Dollars for Art:

Objective(s): Maintenance, Mandate, Efficiency

Project Description

Parks Bureau will upgrade ADA access and improve the deteriorated restroom near the Holocaust Memorial. The electrical panel, lighting, and plumbing fixtures will be replaced.

Funding Sources

Budgeted Beginning Fund Balance	0	0	62,611	0	0	0	0	62,611
General Fund	0	99,589	0	0	0	0	0	0
Total Funding Sources	0	99,589	62,611	0	0	0	0	62,611

Expenditures

Personal Services			7,611					
Minor Capital Outlay			55,000					
Total Expenditures	0	99,589	62,611	0	0	0	0	62,611
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Woodstock CC, FCI Ugrades

Total Project Cost:

Area: Southeast

Dollars for Art:

Objective(s): Maintenance, Replacement, Efficiency

Project Description

The Parks 2005 FCI report recommended just a few improvements to building systems at the community center within the next five years. Most notable was work to be done on the walls.

Funding Sources

General Fund	0	0	0	0	38,841	0	0	38,841
Total Funding Sources	0	0	0	0	38,841	0	0	38,841

Expenditures

Total Expenditures	0	0	0	0	38,841	0	0	38,841
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Parks and Recreation

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Golf

Golf Small CIP Projects

Total Project Cost:
Dollars for Art:

Area: All Areas
Objective(s): Maintenance, Replacement, Efficiency

Project Description

This money is reserved annually for small golf course capital improvement projects as needed throughout the golf course system.

Funding Sources

Budgeted Beginning Fund Balance	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Funding Sources	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000

Expenditures

Minor Capital Outlay			200,000					
Total Expenditures	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Natural Areas

Bridgeton Trail

Total Project Cost: 600,000
Dollars for Art: 12,000

Area: North
Objective(s): Expansion

Project Description

Preliminary study of a multiple use trail along the dike from Bridgeton to the Interstate Bridge has been completed. This project, which is funded by PDC, will move the trail closer to implementation. The desire is to connect Bridgeton to the new light rail stop at the Expo Center and provide a missing link in the 40 mile loop trail that continues on to Kelley Point Park.

Funding Sources

Local Cost Sharing - Portland	0	0	92,606	500,000	0	0	0	592,606
Total Funding Sources	0	0	92,606	500,000	0	0	0	592,606

Expenditures

Personal Services			10,800					
Minor Capital Outlay			81,806					
Total Expenditures	0	0	92,606	500,000	0	0	0	592,606
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Columbia South Shore Trail Improvements								
			Total Project Cost:		123,325			
			Dollars for Art:		1,510			
							Area: Northeast	
							Objective(s): Mandate, Expansion	
Project Description								
This project will extend the Columbia Slough trail from NE 122nd to NE 185th by filling in the existing trail gaps. The entire trail is a soft surface walking trail that parallels the slough. Construction will occur in phases.								
Funding Sources								
Portland Parks Memorial Trust	122,690	215,000	35,000	0	0	0	0	35,000
Total Funding Sources	122,690	215,000	35,000	0	0	0	0	35,000
Expenditures								
Personal Services			12,606					
Minor Capital Outlay			22,394					
Total Expenditures	122,690	215,000	35,000	0	0	0	0	35,000
Operating & Maintenance Costs			0	15,100	15,100	15,100	15,100	60,400

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Forest Park Entrance/Trailhead								
			Total Project Cost:					
			Dollars for Art:					
							Area: Northwest	
							Objective(s): Expansion	
Project Description								
Should the proposed Metro bond measure pass in 2006, several regionally significant projects will be funded. One of the potential projects is construction of an improved entrance and trailhead for better access to the northern section of Forest Park. The project is preliminary pending the outcome of the bond measure.								
Funding Sources								
Local Cost Sharing - Metro	0	0	0	0	0	1,000,000	0	1,000,000
Total Funding Sources	0	0	0	0	0	1,000,000	0	1,000,000
Expenditures								
Total Expenditures	0	0	0	0	0	1,000,000	0	1,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

Prior Years	Revised	Adopted	Capital Plan					5-Year Total
	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		

Kelley Point Park Canoe Launch

Total Project Cost:

Area: North

Dollars for Art:

Objective(s): Expansion

Project Description

The Parks Bureau received a grant from Oregon State Parks as well as substantial support from the Port of Portland and a small stipend from ESA Program to build a canoe/non-motorized boat launch and small parking area near the entrance to the park. The project should be completed by the end of 2006.

Funding Sources

Parks Bureau	631	6,045	0	0	0	0	0	0
Environmental Services	0	7,500	0	0	0	0	0	0
Federal Grants	0	114,177	0	0	0	0	0	0
Local Cost Sharing -Port Of Portland	0	0	100,000	0	0	0	0	100,000
Total Funding Sources	631	127,722	100,000	0	0	0	0	100,000

Expenditures

Personal Services			13,884					
Minor Capital Outlay			86,116					
Total Expenditures	631	127,722	100,000	0	0	0	0	100,000

Operating & Maintenance Costs

			10,500	10,500	10,500	10,500	10,500	52,500
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Prior Years	Revised	Adopted	Capital Plan					5-Year Total
	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		

Marine Drive Trail Gaps

Total Project Cost: 1,077,277

Area: North

Dollars for Art: 1,984

Objective(s): Expansion, Efficiency

Project Description

The City of Portland has been awarded federal MTIP dollars to complete several of the remaining gaps in the Marine Drive trail system which connects the I-205 bike route with Kelley Point Park. Local match is approximately 10% of the grant award.

Funding Sources

Office of Transportation	0	0	19,473	0	0	0	0	19,473
Federal Grants Fund	0	0	80,000	142,000	357,523	386,477	0	966,000
Public Works/Utility Charge	0	0	91,804	0	0	0	0	91,804
Total Funding Sources	0	0	191,277	142,000	357,523	386,477	0	1,077,277

Expenditures

Minor Capital Outlay			191,277					
Total Expenditures	0	0	191,277	142,000	357,523	386,477	0	1,077,277

Operating & Maintenance Costs

			0	0	0	28,000	28,000	56,000
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Metro Bond - Natural Areas			Total Project Cost:					Area: All Areas
			Dollars for Art:					Objective(s): Expansion
Project Description								
Pending the outcome of the proposed Metro bond measure in 2006, the City of Portland and Parks are currently developing a natural resources land acquisition strategy for the local share of the regional bond measure. Estimates for potential natural area acquisition in Portland are still preliminary.								
Funding Sources								
Local Cost Sharing - Metro	0	0	0	1,500,000	2,500,000	3,000,000	3,000,000	10,000,000
Total Funding Sources	0	0	0	1,500,000	2,500,000	3,000,000	3,000,000	10,000,000
Expenditures								
Total Expenditures	0	0	0	1,500,000	2,500,000	3,000,000	3,000,000	10,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Oaks Bottom Restoration			Total Project Cost:					Area: Southeast
			Dollars for Art:					Objective(s): Maintenance, Replacement, Efficiency
Project Description								
Originally this project was to be funded by the Army Corps of Engineers. Now BES is applying to Bonneville Power Administration to implement recommendations made in the Oaks Bottom Resource Management Plan. Proposed project elements include reconstructing the water control structure, improving water quality and poor soils, controlling and managing invasive plants, closing rogue trails, restoring, and revegetating unique refuge habitats, and removing debris from slopes.								
Funding Sources								
Federal Grants	0	0	0	1,000,000	1,250,000	0	0	2,250,000
Local Shared Revenue	0	0	0	687,500	0	0	0	687,500
Total Funding Sources	0	0	0	1,687,500	1,250,000	0	0	2,937,500
Expenditures								
Total Expenditures	0	0	0	1,687,500	1,250,000	0	0	2,937,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Springwater Corridor - Sellwood Gap

Total Project Cost: 2,694,999
Dollars for Art: 2,541

Area: Southeast
Objective(s): Expansion, Efficiency

Project Description

The City of Portland has been awarded an MTIP grant to build the remaining one mile Springwater trail gap from the west side of SE 17th Avenue to SE Umatilla. Like Springwater on the Willamette, this will also be a combination rail with trail.

Funding Sources

Federal Grants Fund	0	0	426,986	426,986	1,663,987	0	0	2,517,959
Public Works/Utility Charge	0	0	0	127,040	0	0	0	127,040
Local Cost Sharing - Metro	0	0	0	50,000	0	0	0	50,000
Total Funding Sources	0	0	426,986	604,026	1,663,987	0	0	2,694,999

Expenditures

Personal Services			27,156					
Minor Capital Outlay			399,830					
Total Expenditures	0	0	426,986	604,026	1,663,987	0	0	2,694,999
Operating & Maintenance Costs			0	0	0	28,000	28,000	56,000

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Springwater Corridor - Three Bridges

Total Project Cost: 61,536
Dollars for Art: 4,000

Area: Southeast
Objective(s): Expansion

Project Description

Federal MTIP grant funding was secured to build three pedestrian and bike bridges. These bridges are critical to completing the rest of the Springwater Corridor from SE McLoughlin to the Sellwood Bridge. The three new bridges will cross McLoughlin Blvd, a Union Pacific rail line, and Johnson Creek. Project partners include Metro, ODOT, and the City of Milwaukie. Installation of the bridges is underway. The project will be completed by the end of 2006.

Funding Sources

Budgeted Beginning Fund Balance	96,758	0	61,536	0	0	0	0	61,536
Federal Grants Fund	533,366	88,464	0	0	0	0	0	0
Total Funding Sources	630,124	88,464	61,536	0	0	0	0	61,536

Expenditures

Personal Services			61,536					
Total Expenditures	630,124	88,464	61,536	0	0	0	0	61,536
Operating & Maintenance Costs			6,800	6,800	6,800	6,800	6,800	34,000

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Springwater Trail Bridge Repair

Total Project Cost:
Dollars for Art:

Area: Southeast
Objective(s): Maintenance, Replacement, Efficiency

Project Description

For the purpose of user safety, repairs are recommended to the supports of the Springwater Corridor bridge that crosses Circle Avenue.

Funding Sources

General Fund	0	0	47,914	0	0	0	0	47,914
Bond Sales	0	0	0	0	0	0	0	0
Total Funding Sources	0	0	47,914	0	0	0	0	47,914

Expenditures

Personal Services			12,972					
Minor Capital Outlay			34,942					
Total Expenditures	0	0	47,914	0	0	0	0	47,914
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Swan Island Waud Bluff Trail

Total Project Cost: 1,309,904
Dollars for Art: 2,691

Area: North
Objective(s): Expansion, Efficiency

Project Description

A detailed study of trail and pedestrian corridor improvements for the huge employment zone in Swan Island was undertaken in FY 2003-04 in an effort to increase non-motorized transportation options. Recommendations for new access were ranked in a more detailed study of alternative routes. Completion of the Waud Bluff trail from Willamette Blvd. down to Swan Island was determined to be a high priority. Construction for Waud Bluff trail was recently awarded federal grant funding. The project will begin design in 2006.

Funding Sources

Public Works/Utility Charge	0	0	134,528	0	0	0	0	134,528
Federal Grants	0	0	0	587,688	587,688	0	0	1,175,376
Total Funding Sources	0	0	134,528	587,688	587,688	0	0	1,309,904

Expenditures

Personal Services			27,144					
Minor Capital Outlay			107,384					
Total Expenditures	0	0	134,528	587,688	587,688	0	0	1,309,904
Operating & Maintenance Costs			0	28,000	28,000	28,000	28,000	112,000

Prior Years	Revised	Adopted	Capital Plan				5-Year Total
	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Westmoreland Pk -Crystal Springs

Total Project Cost:

Area: Southeast

Dollars for Art:

Objective(s): Maintenance, Replacement, Efficiency

Project Description

This flood mitigation and restoration project was originally scheduled to be completed with an Army Corps of Engineers grant, but funding was cutback in 2003. BES is applying for a Bonneville Power Authority grant to complete the project as it was originally scoped out. The Crystal Springs/Westmoreland Park project will address culvert repair downstream from the park to control flooding. It will also provide restoration along the banks downstream and in the park. Finally, the restoration work will require moving and replacing the playground from its current location to another in a drier area of the park.

Funding Sources

Budgeted Beginning Fund Balance	0	0	433,000	434,734	0	0	0	867,734
General Fund	179,934	0	0	0	0	0	0	0
Federal Grants	0	0	0	1,000,000	1,650,000	0	0	2,650,000
Total Funding Sources	179,934	0	433,000	1,434,734	1,650,000	0	0	3,517,734

Expenditures

Minor Capital Outlay			433,000					
Total Expenditures	179,934	0	433,000	1,434,734	1,650,000	0	0	3,517,734
Operating & Maintenance Costs			0	0	0	0	0	0

Prior Years	Revised	Adopted	Capital Plan				5-Year Total
	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Parks

Ankeny Plaza - Waterfront Park

Total Project Cost:

Area: Central City

Dollars for Art:

Objective(s): Maintenance, Replacement

Project Description

BES's renovation of Ankeny Pump Station in Waterfront Park will result in a redesign of the park area surrounding the pump station. Ultimately, the plaza design will reflect the concept generated by the Waterfront Park Master Plan. Initially, after the Big Pipe construction is removed, the park area may simply be reseeded and kept open while additional funding is obtained for a full build-out of the desired plaza design.

Funding Sources

Budgeted Beginning Fund Balance	0	0	208,411	0	0	0	0	208,411
Environmental Services	0	0	0	100,000	0	0	0	100,000
Total Funding Sources	0	0	208,411	100,000	0	0	0	308,411

Expenditures

Minor Capital Outlay			208,411					
Total Expenditures	0	0	208,411	100,000	0	0	0	308,411
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Cathedral Park Parking Lot			Total Project Cost:					Area: North
			Dollars for Art:					Objective(s): Maintenance, Replacement, Efficiency
Project Description								
Parks has received a grant from the BES Wet Weather Program to improve stormwater facilities for the Cathedral Park parking lot. The project will successfully capture and infiltrate stormwater from the parking lot to reduce flow into the Willamette River.								
Funding Sources								
Environmental Services	0	100,000	84,400	0	0	0	0	84,400
Total Funding Sources	0	100,000	84,400	0	0	0	0	84,400
Expenditures								
Minor Capital Outlay			84,400					
Total Expenditures	0	100,000	84,400	0	0	0	0	84,400
Operating & Maintenance Costs			0	10,000	10,000	10,000	10,000	40,000

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Centennial Mills			Total Project Cost:					Area: Central City
			Dollars for Art:					Objective(s): Expansion
Project Description								
PDC owns the Centennial Mills site on the Willamette River in the River District. City and Parks staff are in the initial stages of redevelopment planning and preliminary design for the whole site. A riverfront public open space is envisioned at the site.								
Funding Sources								
Local Cost Sharing - Portland	0	0	0	0	0	3,000,000	0	3,000,000
Total Funding Sources	0	0	0	0	0	3,000,000	0	3,000,000
Expenditures								
Total Expenditures	0	0	0	0	0	3,000,000	0	3,000,000
Operating & Maintenance Costs			0	0	0	175,000	175,000	350,000

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Clatsop Butte LID - SE 152nd			Total Project Cost:					Area: East
			Dollars for Art:					Objective(s): Mandate
Project Description								
SE 152nd Street fronts Clatsop Butte Park in outereast Portland. The park is currently undeveloped. Parks will be assessed a local improvement district fee when the City builds out the street. This is a mandated fee for all property owners affected by the street improvement.								
Funding Sources								
General Fund	0	0	0	48,998	0	0	0	48,998
Total Funding Sources	0	0	0	48,998	0	0	0	48,998
Expenditures								
Total Expenditures	0	0	0	48,998	0	0	0	48,998
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Parks and Recreation

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Common Cost Pool								
			Total Project Cost:					Area: All Areas
			Dollars for Art:					Objective(s): Efficiency
Project Description								
Common Cost Pool refers to general overhead totaled and attached to appropriate park and facility capital projects. The cost pool covers planning, development, and project and construction management staff time spent on implementing capital projects.								
Funding Sources								
Parks Local Option Levy	0	0	888,650	0	0	0	0	888,650
General Fund	0	0	112,313	0	0	0	0	112,313
Local Cost Sharing - Portland	0	0	93,795	0	0	0	0	93,795
Interest Other	0	0	160,000	0	0	0	0	160,000
Assessment Payments-Open	0	0	300,000	0	0	0	0	300,000
Total Funding Sources	0	0	1,554,758	0	0	0	0	1,554,758
Expenditures								
Personal Services			507,250					
External Materials & Services			36,600					
Internal Materials & Services			172,491					
Contingency			834,417					
Total Expenditures	0	0	1,554,758	0	0	0	0	1,554,758
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Earl Boyles Park								
			Total Project Cost:		514,905			Area: Southeast
			Dollars for Art:		10,298			Objective(s): Expansion
Project Description								
Parks, with PDC urban renewal funding, completed a master plan for Earl Boyles Park, a seven acre undeveloped park in outer east Portland. Construction of the developed park will extend through 2006.								
Funding Sources								
Local Cost Sharing - Portland	0	300,000	214,905	0	0	0	0	214,905
Total Funding Sources	0	300,000	214,905	0	0	0	0	214,905
Expenditures								
Personal Services			14,688					
Minor Capital Outlay			200,217					
Total Expenditures	0	300,000	214,905	0	0	0	0	214,905
Operating & Maintenance Costs			66,900	66,900	66,900	66,900	66,900	334,500

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Eastridge Park								
			Total Project Cost:		200,000		Area:	Southeast
			Dollars for Art:		2,448		Objective(s):	Expansion
Project Description								
The master plan for this undeveloped park property is complete. Phase one construction will be funded using SDC revenues. Future phases will be developed as funding is available.								
Funding Sources								
Public Works/Utility Charge	0	50,000	150,000	0	0	0	0	150,000
Total Funding Sources	0	50,000	150,000	0	0	0	0	150,000
Expenditures								
Personal Services			13,638					
Minor Capital Outlay			136,362					
Total Expenditures	0	50,000	150,000	0	0	0	0	150,000
Operating & Maintenance Costs			40,000	40,000	40,000	40,000	40,000	200,000

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Fernhill Park Rehabilitation								
			Total Project Cost:				Area:	Northeast
			Dollars for Art:				Objective(s):	Replacement, Expansion, Efficiency
Project Description								
Numerous donations and a small amount from the Parks Levy combined to match almost \$90,000 from a sports grant to renovate the sports field and replace the playground at Fernhill Park. Work will take place over two years.								
Funding Sources								
Parks Bureau	0	0	11,600	0	0	0	0	11,600
Portland Parks Memorial Trust	0	0	45,000	0	0	0	0	45,000
Federal Grants	0	87,838	0	0	0	0	0	0
Private Grants/Donations	0	0	21,469	0	0	0	0	21,469
Total Funding Sources	0	87,838	78,069	0	0	0	0	78,069
Expenditures								
Personal Services			8,568					
Minor Capital Outlay			69,501					
Total Expenditures	0	87,838	78,069	0	0	0	0	78,069
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Glenhaven Skatepark

Total Project Cost: 410,174 **Area:** Northeast
Dollars for Art: 3,240 **Objective(s):** Expansion

Project Description

The Park Bureau's second skatepark will be constructed at Glenhaven Park. Design is underway, and the new facility should be open in summer 2006. Glenhaven was the first site chosen for construction in the Skatepark Siting Process. Parks is renovating Pier Skatepark concurrently while also building Glenhaven. Funding sources for this project have been combined from the Parks Levy, General Fund, and private donations.

Funding Sources

Budgeted Beginning Fund Balance	0	0	148,000	0	0	0	0	148,000
Parks Local Option Levy	83,747	100,000	252,174	0	0	0	0	252,174
Private Grants/Donations	0	0	10,000	0	0	0	0	10,000
Total Funding Sources	83,747	100,000	410,174	0	0	0	0	410,174

Expenditures

Personal Services			9,522					
Minor Capital Outlay			400,652					
Total Expenditures	83,747	100,000	410,174	0	0	0	0	410,174

Operating & Maintenance Costs			56,500	56,500	56,500	56,500	56,500	282,500
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Holly Farm

Total Project Cost: 1,062,693 **Area:** Southwest
Dollars for Art: 3,057 **Objective(s):** Expansion

Project Description

A master plan was completed for the Holly Farm property. Construction is planned for 2006. In addition to General Fund dollars, the project received \$250,000 in grant funding from Oregon State Parks.

Funding Sources

Budgeted Beginning Fund Balance	0	0	180,000	0	0	0	0	180,000
General Fund	0	50,000	0	0	0	0	0	0
Federal Grants Fund	0	50,000	366,346	0	0	0	0	366,346
Public Works/Utility Charge	0	50,000	5,000	0	0	0	0	5,000
Total Funding Sources	0	150,000	551,346	0	0	0	0	551,346

Expenditures

Personal Services			12,618					
Minor Capital Outlay			538,728					
Total Expenditures	0	150,000	551,346	0	0	0	0	551,346

Operating & Maintenance Costs			53,500	53,500	53,500	53,500	53,500	267,500
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	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Lead Paint - Playgrounds

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Maintenance, Replacement, Efficiency

Project Description

The Water Bureau agreed to provide \$50,000 per year for five years to address lead paint remediation in the park system playgrounds. This money will cover removal of any lead paint on equipment that exceeds EPA standards.

Funding Sources

Water Bureau	0	50,000	50,000	50,000	50,000	50,000	0	200,000
Total Funding Sources	0	50,000	50,000	50,000	50,000	50,000	0	200,000

Expenditures

Minor Capital Outlay			50,000					
Total Expenditures	0	50,000	50,000	50,000	50,000	50,000	0	200,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Lents Park (Little League)

Total Project Cost:

Area: East

Dollars for Art:

Objective(s): Maintenance, Replacement, Expansion, Efficiency

Project Description

Lents Park is proposed as a site to relocate the Lents Little League. If this occurs the league would use both Walker Stadium and exterior softball fields. Lighting would be added to one of the existing fields, and a portable restroom enclosure established on site. Two softball fields will be upgraded, and the stadium would undergo some maintenance. Funding is being sought from Lents Urban Renewal District. Final decision is pending an agreement between PDC and the Little League. Parks Levy funding will replace Walker Stadium lighting. The Walker Stadium restrooms will be improved as a separate project using General Fund dollars.

Funding Sources

Local Cost Sharing - Portland	407,306	700,000	282,494	0	0	0	0	282,494
Total Funding Sources	407,306	700,000	282,494	0	0	0	0	282,494

Expenditures

Personal Services			27,138					
Minor Capital Outlay			255,356					
Total Expenditures	407,306	700,000	282,494	0	0	0	0	282,494
Operating & Maintenance Costs			36,100	36,100	36,100	36,100	36,100	180,500

PROJECT DETAIL

Capital Improvement Plan — Parks and Recreation

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Major Maint Proj Balances

Total Project Cost:

Area: Undefined

Dollars for Art:

Objective(s): Maintenance

Project Description

This program includes money that is dedicated for major maintenance projects in FY 2006-07. Funds will be allocated for specific projects later in the fiscal year.

Funding Sources

Budgeted Beginning Fund Balance	0	0	135,489	0	0	0	0	135,489
General Fund	0	0	188,625	0	0	0	0	188,625
Total Funding Sources	0	0	324,114	0	0	0	0	324,114

Expenditures

Personal Services			5,220					
Minor Capital Outlay			318,894					
Total Expenditures	0	0	324,114	0	0	0	0	324,114
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

North Interstate Urban Renewal

Total Project Cost:

Area: North

Dollars for Art:

Objective(s): Maintenance, Replacement, Expansion, Efficiency

Project Description

Urban renewal funding has already provided drainage improvements to Unthank Park, a new playground at Trenton Park, a dike trail feasibility study for Bridgeton, a master plan for Patton Square, and new lighting in Dawson Park. Planning for future projects will continue with PDC and the Interstate parks committee.

Funding Sources

Local Cost Sharing - Portland	159,642	75,000	42,387	0	0	0	0	42,387
Total Funding Sources	159,642	75,000	42,387	0	0	0	0	42,387

Expenditures

Personal Services			11,304					
Minor Capital Outlay			31,083					
Total Expenditures	159,642	75,000	42,387	0	0	0	0	42,387
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

O'Bryant Square & 3 Downtown Parks

Total Project Cost: 6,934,967 **Area:** Central City
Dollars for Art: 93,429 **Objective(s):** Maintenance, Replacement

Project Description

Planning and design for the renovation of O'Bryant Square has been combined into a project called "Three Downtown Parks" which includes South Park Block 5 as well as Ankeny Square. Currently the funding for the O'Bryant Square portion of the project is coming from the Local Option Levy passed in 2003. The future development scenario of the square and the surrounding blocks is in early pre-design stages. O'Bryant Square suffers from vandalism and dated design. Major public safety challenges are to address lighting, the wall, irrigation, and programming for improved safety. Funds for O'Bryant Square are limited, and the site is constrained by being on top of a parking garage.

Funding Sources

Parks Local Option Levy	24,251	4,967	173,914	700,000	0	0	0	873,914
Local Cost Sharing - Portland	0	4,967	0	534,967	0	0	0	534,967
Total Funding Sources	24,251	9,934	173,914	1,234,967	0	0	0	1,408,881

Expenditures

Personal Services			29,429					
Minor Capital Outlay			144,485					
Total Expenditures	24,251	9,934	173,914	1,234,967	0	0	0	1,408,881
Operating & Maintenance Costs			0	0	0	90,000	90,000	180,000

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Parks Play Structures

Total Project Cost: **Area:** All Areas
Dollars for Art: **Objective(s):** Maintenance, Replacement, Efficiency

Project Description

There are more than 100 play structures in the PP&R park system. An assessment of the safety level and structural condition of current play equipment in the parks and many public schools was completed in 2003. Playground projects funded by the Parks Levy are based on determination of greatest need and concern for safety. Not all playground problems can be addressed with funds available. Replacement of the worst wooden play structures will be covered by this money. Lead paint is being addressed through a grant from the Water Bureau.

Funding Sources

Parks Local Option Levy	103,151	258,000	186,087	110,000	28,000	0	0	324,087
Total Funding Sources	103,151	258,000	186,087	110,000	28,000	0	0	324,087

Expenditures

Personal Services			15,000					
Minor Capital Outlay			171,087					
Total Expenditures	103,151	258,000	186,087	110,000	28,000	0	0	324,087
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Patton Square Redevelopment

Total Project Cost:
Dollars for Art:

Area: North
Objective(s): Maintenance, Replacement, Expansion

Project Description

During 2005 a master plan was completed for Patton Square in north Portland. PDC, through the Interstate Urban Renewal District, will fund renovation of Patton Square beginning in FY 2006-07. Improvements include new paths, irrigation and a small plaza area.

Funding Sources

Local Cost Sharing - Portland	8,576	150,000	193,931	0	0	0	0	193,931
Total Funding Sources	8,576	150,000	193,931	0	0	0	0	193,931

Expenditures

Personal Services			8,568					
Minor Capital Outlay			185,363					
Total Expenditures	8,576	150,000	193,931	0	0	0	0	193,931
Operating & Maintenance Costs			21,500	21,500	21,500	21,500	21,500	107,500

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Pier Park Skatepark

Total Project Cost: 300,000
Dollars for Art: 2,062

Area: North
Objective(s): Maintenance, Replacement, Expansion, Efficiency

Project Description

Using money from the General Fund and private donations, PP&R will be rebuilding the Pier Park skatepark and increasing its size by 10% to 11,000 sf. The project is currently being designed and will be completed by summer 2006.

Funding Sources

Budgeted Beginning Fund Balance	0	0	50,000	0	0	0	0	50,000
Parks Local Option Levy	0	0	50,000	0	0	0	0	50,000
General Fund	0	50,000	0	0	0	0	0	0
Private Grants/Donations	0	0	96,000	0	0	0	0	96,000
Total Funding Sources	0	50,000	196,000	0	0	0	0	196,000

Expenditures

Personal Services			12,606					
Minor Capital Outlay			183,394					
Total Expenditures	0	50,000	196,000	0	0	0	0	196,000
Operating & Maintenance Costs			17,400	17,400	17,400	17,400	17,400	87,000

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

River District Neighborhood Park

Total Project Cost: Area: Central City
Dollars for Art: Objective(s): Expansion

Project Description

In 2004 this beautiful parcel of land was acquired by PDC for development of the third River District park - known as "The Fields". The first two River District open spaces, Jamison Square and Tanner Springs, are urban in nature. But this park will be designed with more traditional neighborhood park uses in mind. Design work will begin in 2006 with construction to follow in FY 2007-08. Funding is provided from River District Urban Renewal Area tax increment dollars.

Funding Sources

Local Cost Sharing - Portland	0	340,115	1,476,527	1,200,000	0	0	0	2,676,527
Total Funding Sources	0	340,115	1,476,527	1,200,000	0	0	0	2,676,527

Expenditures

Personal Services			34,854					
Minor Capital Outlay			1,441,673					
Total Expenditures	0	340,115	1,476,527	1,200,000	0	0	0	2,676,527
Operating & Maintenance Costs			0	0	109,400	109,400	109,400	328,200

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

South Park Block 5

Total Project Cost: Area: Central City
Dollars for Art: Objective(s): Expansion

Project Description

In partnership with PDC and a generous private donation from Tom Moyer, this project will redevelop Park Block 5 across from the Fox Tower at SW 9th and Yamhill. The land has been transferred to the City, and preliminary design is underway for this new park as well as O'Bryant Square and Ankeny Square. The project is known collectively as "Three Downtown Parks."

Funding Sources

Local Cost Sharing	38,814	0	0	0	0	0	0	0
Local Cost Sharing - Portland	87,506	142,086	478,355	270,408	0	0	0	748,763
Private Grants/Donations	0	0	0	1,000,000	0	0	0	1,000,000
Total Funding Sources	126,320	142,086	478,355	1,270,408	0	0	0	1,748,763

Expenditures

Personal Services			27,692					
Minor Capital Outlay			450,663					
Total Expenditures	126,320	142,086	478,355	1,270,408	0	0	0	1,748,763
Operating & Maintenance Costs			0	156,333	156,333	156,333	156,333	625,332

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Streetcar LID Fee - Transit Mall

Total Project Cost:
Dollars for Art:

Area: Central City
Objective(s): Expansion

Project Description

As part of the expansion of the streetcar line in downtown Portland, Parks will be assessed \$285,000 in fees for its portion of the line that runs past park property. All landowners along the route will be assessed. Parks is requesting assistance from the General Fund to offset this expense.

Funding Sources

Parks Bureau	0	0	0	285,000	0	0	0	285,000
Total Funding Sources	0	0	0	285,000	0	0	0	285,000

Expenditures

Total Expenditures	0	0	0	285,000	0	0	0	285,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Portland International Raceway

PIR - RV Park

Total Project Cost:
Dollars for Art:

Area: North
Objective(s): Expansion, Efficiency

Project Description

As part of the PIR Conditional Use Master Plan, the raceway facility hopes to expand and build an RV park on site to generate revenue and provide on site event housing for spectators and event participants.

Funding Sources

Budgeted Beginning Fund Balance	0	0	0	0	1,283,700	0	0	1,283,700
Total Funding Sources	0	0	0	0	1,283,700	0	0	1,283,700

Expenditures

Total Expenditures	0	0	0	0	1,283,700	0	0	1,283,700
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

PIR Broadacres Paving

Total Project Cost:
Dollars for Art:

Area: North
Objective(s): Expansion, Efficiency

Project Description

As part of its Conditional Use Master Plan, PIR proposes to pave the Broadacres parking lot. This will provide greater efficiency in event management and bring in additional revenues from parking fees.

Funding Sources

Budgeted Beginning Fund Balance	0	0	0	0	0	1,283,700	0	1,283,700
Total Funding Sources	0	0	0	0	0	1,283,700	0	1,283,700

Expenditures

Total Expenditures	0	0	0	0	0	1,283,700	0	1,283,700
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
PIR Maintenance Building					Total Project Cost:		Area: North	
					Dollars for Art:		Objective(s): Replacement, Expansion, Efficiency	
Project Description								
As part of its ten year Conditional Use Master Plan, PIR intends to build a new maintenance facility on site. This will provide expanded space for maintenance staff, vehicles, and activities. A new building will improve planning and organization for daily and event maintenance activities at PIR.								
Funding Sources								
Budgeted Beginning Fund Balance	0	0	0	332,000	0	0	0	332,000
Total Funding Sources	0	0	0	332,000	0	0	0	332,000
Expenditures								
Total Expenditures	0	0	0	332,000	0	0	0	332,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
PIR Pedestrian Bridge					Total Project Cost:		Area: North	
					Dollars for Art:		Objective(s): Maintenance, Expansion, Efficiency	
Project Description								
The goal of this project is to provide a new pedestrian bridge across the racetrack to the infield. Currently there is only one bridge access and this new bridge would serve a different spectator area. The new bridge would disperse flow of spectator traffic and allow for safer management of large events.								
Funding Sources								
Budgeted Beginning Fund Balance	0	0	0	929,500	0	0	0	929,500
Total Funding Sources	0	0	0	929,500	0	0	0	929,500
Expenditures								
Total Expenditures	0	0	0	929,500	0	0	0	929,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
PIR Venue Sign					Total Project Cost:		Area: North	
					Dollars for Art:		Objective(s): Replacement, Expansion, Efficiency	
Project Description								
As part of the PIR Conditional Use Master Plan, a large, new venue sign will be installed to replace the current one. This will increase visibility for the raceway from the highway and improve facility appearance.								
Funding Sources								
Budgeted Beginning Fund Balance	0	0	0	0	0	0	1,198,300	1,198,300
Total Funding Sources	0	0	0	0	0	0	1,198,300	1,198,300
Expenditures								
Total Expenditures	0	0	0	0	0	0	1,198,300	1,198,300
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

PIR Water Quality Swales/Filters

Total Project Cost:

Area: North

Dollars for Art:

Objective(s): Maintenance, Efficiency

Project Description

PIR will continue to address environmental and stormwater issues by building water quality swales and filters to manage runoff from the raceway and parking areas.

Funding Sources

Budgeted Beginning Fund Balance	0	0	0	0	200,000	0	0	200,000
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Total Funding Sources	0	0	0	0	200,000	0	0	200,000
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Expenditures

Total Expenditures	0	0	0	0	200,000	0	0	200,000
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Operating & Maintenance Costs			0	0	0	0	0	0
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Public Utilities **87**
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Bureau of Environmental Services

Public Utilities Service Area

Overview and Financial Tables

BUREAU SUMMARY

Bureau Mission

The Bureau of Environmental Services (BES) serves the Portland community by protecting public health, water quality, and the environment.

BES provides sewage and stormwater collection and treatment services to accommodate Portland's current and future needs. The bureau protects the quality of surface and ground waters and conducts activities that promote healthy ecosystems in all of the city's watersheds.

CIP Highlights

The FY 2007-2011 Capital Improvement Program is dominated by Combined Sewer Overflow (CSO) commitments. The CSO program accounts for 80% of all expenditures within the five-year window and 78% of those in the first budget year. This situation will continue through the regulatory deadline of December 1, 2011. BES remains committed to meeting all CSO program objectives by this deadline and to diligently controlling costs.

While meeting the CSO objectives is imperative, the bureau also remains committed to proper maintenance of our collection and treatment systems. Consequently, nearly 12% of the five-year Capital Program is dedicated to Maintenance and Reliability. Many of the larger pipes in the city's older neighborhoods are reaching or exceeding 100 years of age. Major projects or programs include the Maintenance Capital Contract, the Basement Flooding Relief Program, the Hollywood Sewer Relief and Reconstruction Project, the Burlingame Trunk Rehabilitation, and the Woods Trunk Rehabilitation. These five projects or programs account for approximately 76% of planned first year expenditures within the Maintenance and Reliability Program budget.

Sewage Treatment Systems account for 4% of the CIP budget. These projects are located at either the Columbia Boulevard Wastewater Treatment Plant (CBWTP) or Tryon Creek Wastewater Treatment Plant (TCWTP), or at one of the pump stations in the collection system. Major projects in the first year include the CBWTP Outfall Line Repair, the CBWTP Co-generation project and projects within the Pump Station Improvement Plan, and the Treatment Facilities-Rehabilitation & Modification programs. The above four projects account for approximately 89% of the first year Sewage Treatment Systems program budget.

The remaining two program areas, Systems Development and Surface Water Management, comprise the remaining 4% of the CIP. Systems Development is the program that extends sewers to areas that are currently not served. The largest of these is the South Airport Basin. The bureau currently has five projects to bring service to this area. The remaining unsewered areas are small and have been prioritized and scheduled for completion at a consistent rate of expenditure of approximately \$1.5 million per year for the next several years.

Surface Water Management has a relatively small budget within the five-year CIP window. This program includes projects that are exclusively related to drainage and water quality. The completion of the Watershed Management Plan has facilitated the integration of watershed management principles into all of the other CIP program areas. In this manner, the bureau is making significant contributions to watershed health throughout Portland. For instance, the Burlingame Trunk Rehabilitation Project is a \$3 million project in the Maintenance and Reliability Program that will devote over \$1 million to stream restoration and enhancement.

Changes from Prior Year

A common method of reviewing year-over-year changes to a five-year program budget is to compare the four years shared by the two plans. Specifically, one can compare years two through five from the prior plan with years one through four for the proposed CIP. Following this method, planned expenditures for fiscal years 2007 through 2010 have increased to \$659 million from \$604 million in the prior plan. This increase of \$55 million, which represents a relative change of 9%, can be attributed to three factors:

- ◆ First, costs for all construction activities have escalated due to inflationary pressures. This natural cost escalation contributed approximately \$31 million of the increase.
- ◆ Second, projects scheduled to be completed prior to the start of FY 2006-07 were delayed. Consequently, budget allocations made in the prior year were unspent and carried forward in the current plan to cover expenses that will soon be incurred. This second factor contributed approximately \$11 million of the increase.
- ◆ Third, the scope of work planned during the common four years changed. Specific projects or portions of projects were added while others were removed. The net difference between scope additions and subtractions resulted in the remaining \$13 million increase. A detailed discussion of changes by program area follows.

Combined Sewer Overflow

This year a major change was made to the CSO program funding. BES has accelerated expense projections for the Eastside CSO tunnel based on our experience from the Westside CSO tunnel and discussion with our tunnel contractor. Consequently, we have increased funding for this project in the earlier years and reduced funding in the later years. The overall cost for construction of the Eastside CSO tunnel has not increased above normal inflation. However, costs over the common four-year interval (FY 2007-2010) have increased by \$32 million to \$530 million from \$498 million. Cost projections for the final years of tunnel construction (FY 2010-11 and 2011-12) were substantially reduced and represent offsetting savings.

Maintenance and Reliability

The proposed funding for the Maintenance and Reliability program represents a modest increase from prior year budgets. The four-year total from the prior plan (FY 2007-2010) was \$72 million, compared with this year's level of \$73 million, a net increase of \$1 million.

A major change from the prior plan was the removal of the Taggart D separation project. This basement flooding and rehabilitation project is currently being reviewed to determine if shallow infiltration facilities or other green solutions are more appropriate than the traditional separation approach described in earlier planning documents. We are hopeful that this effort will result in a more cost-effective solution to the chronic basement flooding problems in this area. Consequently, we expect that the revised Taggart D project will be moved into the CIP within three years.

Offsetting this reduction are two high priority infrastructure rehabilitation projects that will increase maintenance and reliability spending in the first two years of the new CIP. These projects are the Burlingame Sewer Rehabilitation and the SW Woods Trunk Sewer Rehabilitation. These projects and the planned rehabilitation of sewers in the Hollywood neighborhood they demonstrate our commitment to reinvestment in existing infrastructure.

This budget also increases our commitment to pipe rehabilitation by adding \$7.5 million over the five year period.

Sewage Treatment Systems

Proposed spending within the Sewage Treatment Systems program will increase to \$29 million from \$17 million. This increase of \$12 million is largely attributable to two specific factors. First, costs for the CBWTP Outfall Line Repair have increased substantially due to inflation of steel and fuel costs. The Outfall Line Repair project is necessary to accommodate future CSO flows so the schedule precludes postponing the project until a more favorable bid environment develops.

Another cause for the increase within the program area is the addition of funding for a combined heat and power generation project at the CBWTP. This project will utilize waste digester gas that is currently flared to create electricity and to heat plant processes. In addition to reducing energy costs, the generators could provide 50% of the electrical energy demand of the plant during an emergency. Bureau funds for the project will be supplemented by an Oregon Business Energy Tax Credit equal to 25.5% of project costs. Other funding sources are also being pursued. This project has a 12-year simple (17-year compounded) payback period.

Systems Development

The four-year total for last year's FY 2007-10 CIP was \$8 million, compared with this year's FY 2007-10 CIP at \$15 million. The increased funding in this program is attributable to South Airport Sanitary Trunk Sewer and the Commercial/Industrial/Residential Sewer Extension projects.

Surface Water Management

The four-year total from last year's FY 2007-10 CIP was \$9 million, compared with this year's FY 2007-10 CIP at \$13 million. The increased funding in this program is primarily attributable to the Alsop-Brownwood, Sump Restoration, and Johnson Creek Restoration projects.

STRATEGIC DIRECTION

Council Goals and Priorities

Over the last few years, there has been increased participation by citizens and neighborhood committees in planning and developing the bureau's capital projects. This participation includes public involvement and comment on the CBWTP Facilities Plan, the Stormwater Management Manual, and the Portland Watershed Management Plan. In addition, the Bureau relies on the assistance of standing citizen committees such as the Stormwater Advisory Committee, the Portland Utility Review Board, the Watershed Science Advisory

Group, and the CBWTP Citizens Advisory Committee. The citizens' input has greatly influenced the bureau's strategy for CIP development. Emphasis is being placed on building facilities that benefit the environment and protect the residents of the city. The current Public Facilities Plan development includes public review and comment on the CIP rating and ranking criteria for next year's CIP.

The bureau's Strategic Plan is consistent with the City's goal to improve water and air quality and the overall well-being of its citizens. Priority is given to those projects mandated by federal and state laws and those projects that address City Council goals and objectives.

City Comprehensive Plan

As reflected in our mission statement, the bureau is committed to improving water quality in Portland.

The CSO Program will significantly reduce the volume of sewage spilling into the Columbia Slough and the Willamette River by 2012. The Columbia Slough area projects have been completed. Currently, the focus is on controlling the CSO outfalls that discharge into the Willamette River on the westside by December 1, 2006, and all remaining outfalls by December 1, 2011.

The Maintenance and Reliability Program continues to repair and replace segments of the system in order to protect the City's infrastructure investment for current and future system users. Reliability is important to ensure effective service and protection of public health and the environment.

Major facilities are designed to meet growing city population and system demands without sacrificing water quality. The bureau expanded its Systems Development Program to support the implementation of the City's 2040 Plan. In neighborhoods where sewer service is unavailable, the bureau, through its Commercial/Industrial/Residential Sewer Extension Program, provides sanitary sewers to unserved areas. A Sewer Extension Program Master Plan identifies mainline sewers, which will be added to the inventory and will provide new service to unsewered properties.

In the last few years, the bureau built multi-objective systems that address stormwater management, enhance the fish and wildlife habitat, and create recreational benefits to the surrounding waters. There has been a shift in the decision-making process for funding the Surface Water Management Program. Historically, the drainage systems were constructed only to address flooding and standing water problems. The bureau now uses an approach that integrates watershed health and system infrastructure needs. The Bureau is transitioning to this integrated approach for all CIP expenditures.

Management Direction

The Bureau of Environmental Services has developed a Strategic Plan to guide its direction over the next decades. Based on this overall Strategic Plan, a Capital Strategic Plan was developed to serve as the framework for the capital budget. The Plan was used to facilitate the CIP Development Review Process and served as a tool in the decision-making process.

The Capital Strategic Plan was divided into various CIP programs within the Bureau:

Combined Sewer Overflow

The bureau will meet the Amended Stipulation and Final Order (ASFO) timeline without accelerating project schedule.

The bureau will continue to investigate East Willamette CSO predesign opportunities to reduce bureau CIP program costs, while effectively meeting Willamette River water quality objectives.

Collection System Maintenance and Reliability

The bureau has committed funding for repair of structurally deficient portions of the sewer collection system and for replacement of hydraulically overloaded systems in areas where there is basement flooding at the minimum level identified in previous assessments of system capital maintenance needs. These minimum levels will continue until completion of the Willamette CSO program. In the future, capital maintenance needs will be reassessed through development of an asset management program and replacement plan. Currently, more than 30% of the collection system is over 80 years old. With this aging infrastructure, maintenance needs are anticipated to increase significantly in the near future. Current funding scenarios anticipate significant increases in Collection System Maintenance and Reliability budgets beyond the completion of the CSO program.

Sewage Treatment Systems

The bureau will implement the CBWTP and the TCWTP Facility Plans. Provide funding for projects that reduce odor and operating expenses and are needed to rehabilitate/maintain existing facility infrastructure and pump stations.

System Development

The bureau will fund cost-effective projects that will expand the sewer collection system in support of the implementation of the 2040 Plan and in conformance with environmental regulations.

Surface Water Management

The bureau will complete watershed plans and predesign studies which will identify, prioritize, and allow implementation of surface water and other drainage projects in a systematic and prioritized manner. The bureau will provide capital funding to critical projects required to correct water quality/stream hydrology concerns that are unlikely to be changed or impacted by the completed plans. The bureau will integrate the Watershed Plan elements into appropriate CIP projects from other program areas.

CAPITAL PLANNING & BUDGETING

Capital Planning Process

The CIP was developed utilizing a multi-step process to identify, develop, review, score, and rank projects for funding and scheduling priority. This process insures that the core identified needs of the sewerage, drainage, and surface water system are effectively funded and scheduled.

A bureau-wide stakeholder review team investigates, scores, and ranks all CIP projects in accordance with identified CIP Criteria. CIP weighted criteria, scoring instructions, scheduling guidelines, estimating procedures, and project request forms are used to insure each project is developed, reviewed, and scored based on detailed and consistent information throughout the bureau. A CIP Program Strategy, based on previously identified needs and taking into account future uncertainties, guides project selection and scheduling. Each of the projects is reviewed by the bureau's financial managers, program managers, operations managers and engineering managers to insure the bureau expends financial resources as effectively and appropriately as possible. The CIP management team evaluates all of the information from the process, meets with selected bureau project and program managers to further reduce costs where appropriate, and submits their final recommendation to the Bureau Director. The Bureau Director reviews the findings and approves the CIP plan.

Financial Plan Overview

The five-year financial forecast presents the bureau's revenue and expenditure plan for the operation, maintenance, expansion, and reconstruction of the City's sanitary sewer and stormwater drainage system. The operations, maintenance, and capital construction programs represented in the plan must provide for operation of the system in a safe, sound, and efficient manner; as well as compliance with all applicable health, safety, and environmental laws; regulatory body rules; regulatory body orders; and court orders. Revenues from rates and other sources must be sufficient to fund the necessary operation and capital programs.

The bureau forecasts annual rate increases averaging 6.1% over the next five years. These increases are due to growth in annual system costs, partially offset by increases in non-rate revenues.

System Costs

Annual system costs fluctuate between \$380 million and \$437 million over the five-year financial forecast, largely depending on the amount of CIP expenditures in any year.

- ◆ CIP expenditures decrease by \$131.9 million over the forecast interval, as the bulk of the Eastside CSO Tunnel is completed by the final year. Cash transfers from the Operating Fund to the Construction Fund increase by \$28.1 million over the forecast interval.
- ◆ Costs other than CIP and cash transfers to the Construction Fund increase by \$46.1 million over the forecast interval, of which 88% or \$40.6 million, is new debt service from issuance of sewer system revenue bonds to finance capital construction activity. The financial forecast includes \$709.0 million in additional bonded indebtedness through the current year and five-year forecast interval. Bond sales are planned in FYs 2007-08 and 2009-10.
- ◆ Total operations and maintenance expenditures increase by \$13.5 million over the forecast interval, an average annual increase of 3.7%.
- ◆ Utility License Fees (ULF) are projected to remain constant at \$12.8 million annually over the forecast interval due to the freeze instituted by City Council in FY 2004-05. This freeze will be in effect until such time as the effective ULF rate reaches 5%, compared to the 7.5% previously charged.
- ◆ Transfers from the Operating Fund to the Rate Stabilization Fund (RSF) total \$21.1 million during the forecast interval. RSF balances will be used to fund the Clean River Reward Program (CRRP) and to smooth rate increases for a total of \$42.2 million.
- ◆ CIP expenditures are projected to total \$769.8 million over the forecast interval (including inflation). The pattern of expenditures is influenced primarily by the timing of CSO projects. These expenditures are funded by sewer system revenue bonds, but also include substantial cash contributions (\$63.9 million over the five-year forecast interval) due to coverage requirements on sewer system revenue bonds.

System Resources

Forecast annual system revenues from sources other than rates (excluding changes in Operating Fund balance) decrease by \$111.0 million over the five-year forecast interval.

This is due primarily to the following:

- ◆ Reimbursements from the Construction Fund to the Operating Fund decrease by \$134.9 million over the forecast interval, reflecting the completion of the majority of the CSO capital program.
- ◆ Revenues from system development charges are forecast to increase by \$1.7 million over the forecast interval.
- ◆ Transfers from the Rate Stabilization Fund to the Operating Fund increase by \$15.8 million during the five-year forecast interval, smoothing rate increases caused by increasing debt service.
- ◆ Other cash transfers, usually federal and state grants, remain at zero, as no projection is made for future grants that have not been awarded as of this date.
- ◆ Annual revenue requirements from rates increase by \$68.6 million from FY 2005-06 to FY 2010-11, an annual average increase of 6.5% per year.

**Public Facilities Plan
Overview**

BES has developed a Public Facilities Plan (PFP) that identifies major public sewage infrastructure needs for the City of Portland through the year 2015. The PFP is part of BES' continuous cycle of planning, implementation, and evaluation. It is designed to be continually updated, at increasing levels of detail. Eventually, it will encompass both major and minor facilities.

Projects are developed by determining the infrastructure required to accommodate the City's comprehensive land use plan densities and determining whether the existing system is capable of delivering the required level of service. Capability is determined by performing hydraulic analysis of the system's conveyance capacity and reviewing information on its structural condition. The bureau intends to develop a methodology that will predict rehabilitation needs for pipelines more comprehensively, and which will systematically schedule the most critical and deficient pipeline segments for replacement.

The current PFP addresses significant or major facilities for the City's four types of infrastructure systems:

- ◆ The combined sewer system includes the network of pipelines and pump stations that collect and convey combined stormwater and wastewater. The PFP addresses combined sewer pipes 15 inches in diameter or larger. Its emphasis is on system improvements needed to prevent sewer backups and basement flooding.
- ◆ The sanitary sewer system includes the network of pipelines and pump stations that collect and convey wastewater. The current PFP addresses sanitary sewer pipes 10 inches in diameter or larger.
- ◆ The stormwater system includes the swales, ponds, channels, creeks, sloughs, culverts, and pipe systems that convey and treat stormwater runoff from the land. The current PFP addresses stormwater facilities in basins draining 160 acres or more, which corresponds to a typical minimum pipe diameter of 12 inches or larger.
- ◆ The wastewater treatment system includes two secondary wastewater treatment plants: the Columbia Boulevard Wastewater Treatment Plant and the Tryon Creek Wastewater Treatment Plant.

- ◆ The PFP uses an integrated watershed approach to assess facilities needs. In this approach, an entire watershed is analyzed as a unit to identify interrelated problems and coordinate all plans, activities, and programs. This avoids solving a problem in one area while creating another problem elsewhere. It also leverages limited funds to solve multiple problems with a single integrated solution. There are five major watersheds within the City of Portland:
 - ❖ Fanno and Tryon Creeks
 - ❖ West Willamette River
 - ❖ Columbia Slough/Columbia River
 - ❖ East Willamette River
 - ❖ Johnson Creek

There were 268 projects recommended in the 1999 edition of the PFP. The types of projects included in the PFP include construction, design, predesign, and multiphase. Predesign is recommended where the analysis showed that more comprehensive and detailed planning and predesign is required before the specific requirements for a construction project can be determined.

Recommendations from the PFP will be implemented primarily through BES's Capital Improvement Program.

Asset Management and Replacement Plans

A Rehabilitation Plan is currently being developed. The intent is to develop a plan to systematically predict collection system rehabilitation needs for sewer pipelines/pump stations and drainage facilities. Phase 1 of the plan is complete. The plan is anticipated to be fully complete in two years.

Pipeline Element:

The first phase of the project focuses on sewer pipelines. Automated tools will use physical attributes to predict the future performance of individual facilities. The tools will rely heavily on data currently maintained within BES's Maintenance Management System. In addition, the suite of tools developed may require additional data to be collected or may require existing data to be collected and stored in a different way.

Pump Station Element:

The second phase of the project focuses on development of a more comprehensive plan to provide baseline information for each pump station, establish evaluation criteria for rating station performance, prioritize pump station improvements and develop an implementation plan for improvements.

CAPITAL PROGRAMS & PROJECTS

Program Description

The bureau's Capital Improvement Program is divided into five program areas. The five areas are Combined Sewer Overflow, Maintenance and Reliability, Sewage Treatment Systems, Surface Water Management, and Systems Development.

Combined Sewer Overflow

Approximately 60% of Portland's population is served by a combined sewer system which carries both domestic sewage and stormwater runoff. When it rains, stormwater runoff exceeds the carrying capacity of the combined sewers, causing overflows through outfalls to both the Willamette River and the Columbia Slough. These overflows have been deemed a significant source of pollution in both the Columbia Slough and the Willamette River. Currently, the City's combined sewers discharge an average of approximately 2.7 billion gallons (down from 6 billion gallons when our CSO program began) annually into the Willamette River, of which about 20% is untreated sanitary sewage. In comparison, combined sewer overflows represent less than 9% of the entire sewer system flows, with 91% receiving treatment.

In September 1990, the bureau initiated an engineering study to characterize the CSO problem and to evaluate methods for abating pollution attributable to CSOs.

In August 1991, the City signed a Stipulation and Final Order (SFO) with the State Environmental Quality Commission (EQC), which was a compliance order for the City to control its 55 CSO outfalls by the year 2011. The SFO mandated a 99.6% reduction in CSO volume, but included language to allow revisiting that high level of control.

In November 1993, the City undertook a collaborative process, which included extensive public involvement, to determine the desirable level of CSO control. The results was a decision to maintain the 99.6% CSO reduction for the Columbia Slough, but lower the level of control to 94% for the Willamette River. This resulted in an Amended SFO signed in August 1994.

Maintenance and Reliability

Projects within this program address major maintenance requirements of the sewerage collection system, including collector sewers, trunk sewers, and interceptor sewers. The City's sewerage collection and transportation system includes over 2,284 miles of sewer line ranging from 4 inches in diameter to 12 feet.

In some areas of the City, recurrent basement flooding is a major problem creating health and environmental hazards as well as property damage. This program addresses those problems with a multi-objective approach. This approach includes on-site drainage controls, street inflow controls, and up-sizing undersized public facilities that are causing backups of sewage into basements.

Currently, funding is focused on rehabilitation/reconstruction of the most structurally deficient portions of the sewer collection system. A more accurate schedule and expenditure forecast will be developed when the Eastside Flow Control predesign, the Integrated Watershed Plans, and all basin predesign studies are completed.

Sewage Treatment Systems

This program provides funding for projects located at the Columbia Boulevard Wastewater Treatment Plant (CBWTP) and the Tryon Creek Wastewater Treatment Plant (TCWTP). Maintenance and repair/rehabilitation of the 93 pump stations located citywide are also included under this program.

Both treatment plants are operating within the framework of the Federal Clean Water Act. Specific requirements for removal of pollutants from wastewater before the treated effluent is discharged into the Columbia or Willamette Rivers are contained in the National Pollution Discharges Elimination System permit for each plant.

High priority is given to projects that provide operating efficiency, reliability, and longevity. Most of these improvements include replacement and reconstruction of aging and unreliable plant pump station components. Projects that minimize odor from the CBWTP are also part of this program, in accordance with a citizen-supported Council resolution.

The bureau continues to support the implementation of the CBWTP and TCWTP Facility Plans. Projects identified for both plants will be completed in time to meet the increasing demand due to growth and the completion of the Combined Sewer Overflow Program.

Surface Water Management

The primary objective of this program is to protect the quality of surface and ground waters by addressing watershed, health, and public safety concerns associated with flooding, stream erosion, and urban pollution.

Water quality and flood control projects are located in areas such as the Columbia Slough, Fanno Creek, Johnson Creek, and Tryon Creek. Projects are developed to meet the provisions of the Clean River Program adopted by Council in 1990, the Clean River Works Resolution adopted in 1995, and the Sustainable City Principles of 1995.

This program is also responsible for meeting certain conditions of the Water Pollution Control Facilities Permit issued by the Oregon Department of Environmental Quality on June 2005. The specific areas covered by the Surface Water Management Program are the conditions associated with owning and operating 8,500 active sumps or Underground Injection Control Systems (UICs). As part of this permit the city is required to identify any UICs that will not meet conditions of the permit and retrofit or decommission them.

Projects proposed under this program include construction of pollution reduction facilities, sump retrofits, stream restorations, and surface water filtering systems. By addressing water quality and flooding issues these projects aim to protect fish, enhance wildlife habitat, and provide educational and recreational opportunities for the community.

Systems Development

The main focus of this program is to expand the city's sewer collection system in support of the implementation of the 2040 plan. This program carries out the bureau's commitment to provide an efficient sewerage system for residents and businesses within our service area, to support new development, and to protect public health and the environment.

This program also includes other capital projects relating to sewer system expansion and privately funded development that do not fall under the scope of other Capital Improvement Program areas.

Major Projects by Program

Combined Sewer Overflow

The Westside Tunnel and Pump Station: The West Willamette CSO control system will intercept existing outfalls along the westside of the Willamette River. It will convey flow in a tunnel from a location near the Marquam Bridge to the northwest industrial area where it will cross under the Willamette River and end at a confluence structure and pump station on Swan Island. The 23,000-foot tunnel system has a 14 foot inside diameter and depths

ranging from 100 feet to 150 feet from the ground surface to the invert of the tunnel. The tunnel system will function as both a conveyance and a storage conduit for the West Willamette CSO control system. Along the tunnel route, a series of gravity conduits and drop structures will connect existing combined sewer outfalls to the tunnel. The tunnel will connect to a new 220 million gallons per day Swan Island Pump Station. Force mains will transport flows from the pump station to existing conduits for delivery of flow to the Columbia Boulevard Wastewater Treatment Plant.

East Tunnel: This project consists of approximately 29,000 feet of tunnel ranging in diameter from 22 to 24 feet. The tunnel extends from the Insley combined sewer basin to the Riverside Basin (Swan Island). This project is part of the Eastside CSO control program mandated by DEQ. The tunnel will collect, convey, and store overflows from 13 combined sewer basins on the eastside of the Willamette. The tunnel will connect to the new CSO pump station at its downstream end, located on the southern end of Swan Island. The depth of the tunnel will vary but may be in excess of 120 feet deep in places.

Tanner Creek Basin Stream Diversion: The final phase of the program (Phase 3 - Sunset Highway and Phase 4 - Upper Burnside) began construction in FY 2005-06 and will be completed in FY 2006-07. This project will construct a stream diversion pipe in the Tanner Creek basin to divert stormwater from the combined sewer system, providing increased capacity for sanitary sewage. Much of the stormwater runoff comes from forested areas in the upper basin and is clean enough for direct discharge to the Willamette River. Removal of these clean water flows from the Tanner Creek combined sewer system will greatly reduce the CSOs from the Tanner Creek basin.

Portsmouth Force Main: This project provides a force main from the Swan Island Pump Station to the existing Portsmouth Tunnel for the purpose of transporting Eastside Tunnel CSO flows to the CBWTP beginning in 2011.

Balch Consolidation Conduit: This project consists of a 72 to 84-inch diameter pipeline that connects two sets of flow to the Westside CSO Tunnel: CSO flow from the Balch Outfall and stormwater flow from an adjacent outfall. The pipeline will begin near the Balch CSO Outfall and will be located along Front Avenue. The pipeline length and depth will be 4,900 feet and 40 feet respectively. The Balch CSO facilities will be independent from the system that directs Balch Creek to the Willamette River. This project will also relieve a major maintenance liability by replacing the failing Balch Trunk Sewer.

Sellwood Separation: This project will design and construct replacement sewers in the Sellwood Combined Sewer Basin to reduce CSOs and basement flooding. Installation of sumps and an analysis of roof drain disconnections have been completed within this basin. Additional study and modeling of the basin with these actions in place has determined that additional separation will be necessary to meet the City of Portland/DEQ Amended Stipulated & Final Order requirement. This basin is a 313-acre, predominantly residential basin located on the eastern bank of the Willamette River at the southern limits of the City. The sewer facilities serving this area consist of the Umatilla pump station, approximately 62,600 feet of combined sewer lines, 11 diversion structures, and three outfalls. This project, the Harney Pump Station, and the Separation project will control the discharges from outfalls as recommended by the 2001 Update to Portland's Combined Sewer Overflow Management Plan.

CBWTP Headworks: This project will design and construct a 150 mgd capacity wet weather screening facility and various hydraulic components at the CBWTP in order to accommodate increased influent flows projected to occur due to the implementation of the Willamette River CSO program.

Beech-Essex Separation: This project is a stormwater separation project to separate an outfall in connection with the Eastside Combined Sewer Overflow (ESCSO) Tunnel Project. This project also provides the secondary benefit of relieving basement flooding to 33 parcels. This project involves the installation of approximately 4,400 feet of new pipe as well as upsizing approximately 5,200 feet of existing pipes with diameters ranging from 12" to 48". The project also includes the potential relocation of approximately 1,900 feet of 6" to 8" waterlines. The stormwater flow from this newly separated outfall, along with the flow from an existing stormwater outfall, will be sent for treatment at CBWTP. In addition, eleven diversion manholes will be eliminated.

Maintenance & Reliability

Maintenance Capital Contract: This project supports privately contracted maintenance repair and reconstruction throughout the collection system. Due to the age of much of the inventory, structural failures or near failures, localized flooding, and hydraulic capacity problems are discovered during the year and must be addressed quickly. During any given fiscal year, 10 to 15 maintenance projects will be identified, a solution will be designed, and a rehabilitation contract will be awarded. This work is distinguished from routine maintenance because the solutions require private contracting, and spot-repair techniques used by City maintenance crews are insufficient.

Basement Flooding Relief and Reconstruction Program: This is a multi-year program to address capacity and structural problems throughout the combined sewer system. The combined basins are the oldest portions of the sewer system. There have been over 2,000 flooded basements reported in these basins since the mid-1970s. This program provides for reconstruction of existing pipes or for the addition of new relief sewer pipes and storage pipes. These areas are all identified in the 1999 Public Facilities Plan as needing relief.

Burlingame Trunk Rehabilitation: This trunk sewer was constructed in 1953 within the central canyon of Stephens Creek with concrete pipe. The trunk serves most of the 750-acre Stephens Creek sub-watershed. The mortared joints have failed at many locations and sewage is leaking into the creek. This project will rehabilitate approximately 4,300 feet of 36-inch concrete sewer pipe in the Stephens Creek canyon.

The Woods Trunk Sewer Rehabilitation Project: This is an emergency project using accelerated design schedules and emergency contracting procedures to expedite repair of the failed sewer. The 24 to 36-inch diameter brick and stone sewer was constructed between 1893 and 1909 and lies approximately 50 feet beneath fill. The combined sewer trunk serves the Lair Hill neighborhood, parts of the Veterans Administration and OHSU complex, and the Naito Parkway and Ross Island Bridge Interchange. The trunk sewer extends about 2100 feet from SW Moody Avenue to the Ahavath Achim temple just west of Barbur Boulevard.

Lents Crossing: The existing pipe, installed in the 1920s, crosses Johnson Creek and has been exposed by the erosive effects of increased urbanization and Works Projects Administration (WPA) flood protection projects constructed decades ago. The pipe sits in the creek and is a health risk, as well as a fish barrier. If it breaks it will spill sewage into the creek. The project will protect the structural integrity of the pipe by encasing it in a

reinforced, self-supporting concrete arch. The project will also repair 70 years of stream degradation brought about by the WPA work of the 1930's by reducing the energy of the stream. This reduction will be a result of floodplain reconnection and channel bed slope adjustment over 1,700 feet of stream channel. Channel bed slope adjustment will be accomplished through three grade control structures. The grade control structures consist of large boulders, root wads, tree boles, cobbles, and gravels. All hydraulic grade controls, and elements designed to reduce the energy or shear force of the stream, will be designed as a natural system to improve habitat value and function and to provide for fish passage under all flow conditions.

Lents 1 & 2 Sewer Basin: This project will develop a basin-wide predesign effort to refine the current list of recommended projects identified in the Public Facilities Plan. Successful project completion will lead to design and implementation of projects necessary to control basement flooding and CSOs. This project is required to fulfill the City's CSO control schedule currently set for 2011. The basin-wide effort will include a combination of stormwater controls, new conveyance pipes, and several in-line storage facilities to prevent basement and street flooding throughout the basin. The stormwater controls will use a combination of regional infiltration/storage including sumps and strategies identified for implementing the Clean River Plan.

Sullivan/Stark/Holladay Relief & Reconstruction: This project will implement the pre-design's recommendations. The first project to be constructed is the Hollywood Sewer Relief and Reconstruction Project. The objectives are to repair the medium-sized trunk sewer in Sandy Boulevard between NE 37th and 47th Avenues, and to rebuild and enlarge collector sewers north and south of Sandy. Some sewers are in poor condition, and others need to be enlarged to prevent basement flooding.

Sewage Treatment Program

Sullivan Pump Station Repair: This is a project to replace the pump variable speed drives and pump controls, and to make other modifications to the pump station which will improve reliability and decrease maintenance requirements. The Sullivan Pump Station is the key pump station in conveying eastside flows to the CBWTP.

CBWTP Outfall Line Repair: This project involves repair of the existing 102-inch outfall line from the CBWTP to the Columbia River to insure that it can withstand the internal pressures to which it may be subjected during periods of high river stage, and to enable it to function effectively in tandem with a second outfall constructed in 2000 for wet weather flows.

Pump Station Improvement Program: This is a continuing program to refurbish or upgrade pump stations that are not in compliance with present codes, are not operating in a reliable manner, need improvements because of growth in the receiving sewage basin, and/or are over 20 years old and have out-of-date equipment.

Treatment Facilities Rehabilitation & Modification: This project was set up to protect capital investments and to enhance system reliability at the sewage treatment facilities. It also provides the best management practice to prevent violations of the NPDES permit. Both the Columbia and Tryon Creek treatment plants are major capital assets that require a substantial amount of investment every year for repair, rehabilitation, and maintenance. This project facilitates a rapid and practical replacement of capital equipment and upgrade of aging facilities.

CBWTP Co-Generation: This project will utilize digester gas, which is currently wasted by flaring, to generate electrical energy that could provide 50% of the projected electrical energy demand of the CBWTP. Engine/generators will be equipped with heat recovery mechanisms to provide heat to meet the plant digestion process heating requirements.

Surface Water Management

Alsop-Brownwood: The Alsop-Brownwood Site contains approximately 51 acres of undeveloped land on the main stem of Johnson Creek. This project site is located in the lower Powell Butte Target area from SE 158th Avenue to Circle Drive. Several properties originally under separate ownership make up the project site. This project will address flooding and water quality problems in the Johnson Creek area. Improvements include flood storage to reduce flooding and reconnection of wetlands to provide a habitat for fish and wildlife.

Johnson Creek Restoration Program: This project implements the recommendations of the Johnson Creek Restoration Plan. The plan identifies a number of projects to mitigate flooding and improve water quality and fish and wildlife habitat. This project includes land acquisition, predesign, design, and construction.

Slough Infrastructure-Corps Grant Project: This project will provide matching funds for capital projects that would improve the water quality and wildlife habitat of the Columbia Slough. The project was initiated in FY 1995-96, in response to receiving a grant from the US Army Corps of Engineers for revitalization of four miles of the Lower Columbia Slough.

Fanno/Tryon Water Quality TMDL: This project initiates implementation of the capital improvement components of the BES Tualatin Basin Total Maximum Daily Load Implementation Plan submitted to the DEQ in August 2003. Specifically this project will implement measures designed to achieve water quality objectives related to the TMDL and the 303(d) listing of Tryon Creek under the Clean Water Act. Fanno Creek has TMDLs for total phosphorus, dissolved oxygen, temperature, and bacteria. Tryon Creek is on the 303(d) list for temperature, and also receives stormwater runoff from two of the City's major stormwater outfalls.

Sump Restoration: This project will provide solutions for approximately 489 Underground Injection Control Systems (UICs) that are estimated to have less than 10 feet of separation distance between the bottom of the UIC and groundwater. These UICs represent one of the largest and highest priority subset of UICs that will require early action to achieve permit compliance. Early action will allow the City to be proactive in identifying and prioritizing solutions and phasing implementation of those solutions to meet permit timelines.

In June 2005, the Oregon Department of Environmental Quality issued a permit to implement the Federal Safe Drinking Water act requirements. The permit covers the city's 8500 active UICs. As part of this permit the city is required to identify any UICs that will not meet conditions of the permit. Once these systems have been identified the city will have several years to bring all UICs into compliance with permit requirements, either through retrofits or decommissioning.

Systems Development

South Airport Sanitary Trunk Sewer: This project will proceed through 2006 and provide design and construction for the sanitary trunk sewers to serve the basin. The project basin area is approximately 1,300 acres in NE Portland near Columbia Boulevard from 42nd Avenue to Colwood Way, including a large area at the airport.

Commercial/Industrial/Residential Sanitary Sewer Extension Program: The primary objective of this program is to make sanitary sewers available to commercial/industrial/residential zones which have been at least partially developed, use on-site septic systems, and which are not able to construct new on-site systems within the DEQ regulations due to locations or land constraints. This program seeks to construct infrastructure to allow properties to obtain sanitary sewer service, and thus prevent public health hazards.

**Operating and
Maintenance (O&M)
Costs**

The O&M estimates for costs or savings were prepared by the Wastewater Group. The basis for the estimates depended upon the type of expected impact. The four major components of treatment plant O&M are labor, energy, chemicals, and materials. Energy and chemical costs are more easily predicted. Equipment needed for installation usually has design parameters that clearly dictate the resource demands. Labor and material costs are commonly based on experience with similar projects and facilities in Portland or elsewhere.

Capital Improvement Plan — Bureau of Environmental Services

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this service area.

Service Area	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
Bureau of Environmental Services								
Undefined	210,926	0	149,435	600,000	0	0	0	749,435
All Areas	265,194,367	69,799,342	18,100,778	10,755,390	8,747,000	8,947,000	8,347,000	54,897,168
East	13,378,678	19,000,000	141,385,979	103,336,021	92,821,000	68,821,000	40,986,842	447,350,842
North	5,330,185	4,891,000	11,264,000	4,670,000	5,105,000	3,750,000	7,163,000	31,952,000
Northeast	2,032,982	10,956,658	11,613,000	4,107,900	3,785,000	4,784,039	7,125,000	31,414,939
Northwest	1,297,695	2,300,000	4,900,000	14,500,000	35,250,000	33,200,000	50,000	87,900,000
Southeast	6,483,510	4,825,000	6,859,800	17,127,000	18,496,500	7,870,990	4,644,000	54,998,290
Southwest	2,847,615	5,385,637	12,173,250	71,000	648,000	0	48,000	12,940,250
West	4,294	704,557	5,429,000	0	0	0	0	5,429,000
Total Bureau of Environmental Services	\$296,780,252	\$117,862,194	\$211,875,242	\$155,167,311	\$164,852,500	\$127,373,029	\$ 68,363,842	\$727,631,924

CAPITAL PROJECTS

Capital Improvement Plan — Bureau of Environmental Services

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
Bureau of Environmental Services								
Combined Sewer Overflow								
Balch Consolidation Conduit	3,189	1,000,000	1,800,000	4,400,000	13,650,000	13,000,000	50,000	32,900,000
Beech-Essex Separation	0	0	0	316,000	403,000	3,443,000	3,236,000	7,398,000
California PS Upgrade	247,404	632,637	374,000	0	0	0	0	374,000
CBWTP Primary Treatment Expansion	0	500,000	564,000	2,320,000	4,400,000	0	0	7,284,000
CBWTP WW Headworks	4,003,963	2,000,000	0	0	555,000	3,000,000	4,163,000	7,718,000
Design System Startup	0	0	870,000	0	0	0	0	870,000
East Tunnel	13,294,064	18,000,000	136,114,979	98,315,021	87,800,000	63,800,000	35,500,000	421,530,000
Eastside CSO OCIP Program	0	0	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000
Eastside CSO System Startup	0	0	0	0	0	0	486,842	486,842
H/S/S Inflow Control	0	249,658	340,000	435,000	400,000	0	0	1,175,000
H/S/S Inflow Controls 2	0	0	0	0	90,000	90,000	360,000	540,000
Portsmouth Force Main	1,294,506	1,300,000	3,100,000	10,100,000	21,600,000	20,200,000	0	55,000,000
Sellwood Interceptor Upgrade	104,998	0	75,000	800,000	515,000	0	0	1,390,000
Sellwood Relief Sewer	251,417	0	80,000	1,200,000	807,500	0	0	2,087,500
Sellwood Umatilla Pump Station	351,705	0	200,000	1,000,000	722,000	0	0	1,922,000
Sewer Improvement Umatilla	15,271	0	0	0	162,000	0	0	162,000
Swan Island PS Phase 2	0	0	0	0	0	600,000	3,000,000	3,600,000
Taggart D Separation Ph 5	0	0	0	0	0	0	82,000	82,000
Tanner 4B Upper Burnside	3,909	704,557	1,503,000	0	0	0	0	1,503,000
Tanner Creek Phase 3	2,080,321	3,358,000	6,893,000	0	0	0	0	6,893,000
Total System Startup 2006	0	0	50,000	0	0	0	0	50,000
West Lents Basin Sewer Sep	48,332	0	126,800	1,005,000	1,500,000	0	0	2,631,800
Westside CSO C&C	11,431	0	30,000	0	0	0	0	30,000
Westside CSO Tunnel & Swan IS PS	248,055,170	61,357,342	9,500,000	0	0	0	0	9,500,000
Total Combined Sewer Overflow	269,765,680	89,102,194	164,620,779	122,891,021	135,604,500	107,133,000	49,877,842	580,127,142
Maintenance & Reliability								
Basement Flooding & Reconstruction	2,600	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Burlingame Trunk Rehabilitation	143,653	0	2,909,000	0	0	0	0	2,909,000
Bybee Sub-Relief & Reconstruction	0	0	0	787,000	2,343,000	2,388,990	0	5,518,990
Hancock/Schuyler/Grand to 16th	0	0	0	0	49,000	247,000	2,029,000	2,325,000
Harney PS Upgrade	0	0	85,000	850,000	10,000	0	0	945,000
Hollywood R&R	106,803	5,002,000	4,431,000	0	0	0	0	4,431,000
Lents 1&2 Sewer Basin Predesign	589,363	500,000	1,200,000	9,200,000	6,300,000	4,900,000	3,600,000	25,200,000
Lents Crossing	1,294,256	1,200,000	1,250,000	0	0	0	0	1,250,000
Maintenance Capital-Construction	246,570	207,000	107,000	107,000	107,000	207,000	207,000	735,000
Maintenance Capital-Contract	752,807	2,000,000	3,250,000	5,250,000	3,250,000	3,250,000	3,250,000	18,250,000
MCC Emergency Projects	0	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
NW Burnside Lining	181,995	980,000	1,000,000	0	0	0	0	1,000,000
Riverside Basin Rehabilitation	399,385	21,000	20,000	100,000	100,000	100,000	0	320,000
Taggart BCD-TG 3	0	0	41,000	190,000	1,667,000	6,000	0	1,904,000
Taggart D Predesign Review	112,697	500,000	335,000	0	0	0	0	335,000
Taggart Sewer Rehabilitation	14,578	45,000	517,000	5,000	0	0	0	522,000
Taggart Woodward & 26th	0	0	0	420,000	3,600,000	7,000	0	4,027,000
Woods Trunk Rehabilitation	385	0	3,006,000	0	0	0	0	3,006,000
Total Maintenance & Reliability	3,845,092	11,705,000	20,401,000	19,159,000	19,676,000	13,355,990	11,336,000	83,927,990
Sewage Treatment Systems								
CBWTP Co-Generation Project	0	200,000	3,300,000	2,200,000	0	0	0	5,500,000
CBWTP Digester Expansion	0	0	300,000	0	0	0	0	300,000
CBWTP Outfall Line	635,218	2,140,000	6,750,000	0	0	0	0	6,750,000
CBWTP Vector Control	0	0	300,000	0	0	0	0	300,000
Expanded Video Monitoring	44,399	0	0	20,000	20,000	20,000	0	60,000
Facilities Communication	247,220	30,000	30,000	30,000	30,000	30,000	0	120,000
Pump Station Improvement Program	3,866,796	2,000,000	1,900,000	1,600,000	1,600,000	1,600,000	1,500,000	8,200,000
Sullivan PS Repairs	1,048,480	2,118,000	1,034,000	0	0	0	0	1,034,000
TCWTP Headworks & Primary Clarifiers	0	0	0	0	0	0	16,000	16,000

Public Utilities Service Area

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program Project	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	
TCWTP Headworks Building & Screens	0	0	0	0	0	0	32,000	32,000
TCWTP Thickeners & Wet Well Odor	0	0	16,000	71,000	648,000	0	0	735,000
Treatment Facilities-Rehab & Modif	6,362,153	2,000,000	1,800,000	1,800,000	1,750,000	1,750,000	1,750,000	8,850,000
Total Sewage Treatment Systems	12,204,266	8,488,000	15,430,000	5,721,000	4,048,000	3,400,000	3,298,000	31,897,000
Surface Water Management								
Brownwood	28,987	1,600,000	2,000,000	820,000	20,000	19,000	0	2,859,000
Commercial Residential Partnership	82,814	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Corrective Actions: 5-UICs	0	0	99,435	0	0	0	0	99,435
Fanno/Tryon WQ TMDL	923	365,000	300,000	0	0	0	0	300,000
Johnson Creek Restoration Prog	3,589,092	930,000	800,000	800,000	800,000	500,000	500,000	3,400,000
Kelley Creek Plant & Monitor	76,663	0	21,000	21,000	21,000	21,000	0	84,000
Lents Interceptor Crossing	0	0	100,000	0	0	0	0	100,000
Mason Flats	3,136	183,000	0	183,000	0	0	0	183,000
Mason Springs	40,789	70,000	61,000	0	0	0	0	61,000
NE 148th WQF	0	0	158,000	130,900	1,843,000	4,039	0	2,135,939
NE 33rd Ave Culvert	0	34,000	34,000	386,000	0	0	0	420,000
S Foster East Lents	0	0	0	0	0	0	412,000	412,000
Sump Restoration	0	0	300,000	250,000	1,000,000	1,000,000	1,500,000	4,050,000
SW Texas Green Street	10,232	0	552,000	0	0	0	0	552,000
Taylor's Ferry WQ Facility	183,087	50,000	129,250	0	0	0	0	129,250
Wellhead Sump Retrofit	5,351	0	250,000	0	0	0	0	250,000
Total Surface Water Management	4,021,074	3,282,000	4,854,685	2,640,900	3,734,000	1,594,039	2,462,000	15,285,624
Systems Development								
Com/Ind/Res Sanitary Swr Ext	435,651	1,495,000	750,000	1,250,000	1,300,000	1,400,000	900,000	5,600,000
Drainage Improvement	1,966,592	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Office of Transportation IA	2,167,610	25,000	78,778	33,390	25,000	25,000	25,000	187,168
Permit Reimbursement	1,341,018	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Permits	0	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
S Airport 2A	199,495	0	20,000	600,000	0	0	0	620,000
S Airport Phase III	211,224	1,400,000	4,205,000	0	0	0	0	4,205,000
S Airport Phase IV	502,377	500,000	1,000,000	1,002,000	0	0	0	2,002,000
S Airport Phase V	120,173	1,400,000	50,000	1,405,000	0	0	0	1,455,000
Total Systems Development	6,944,140	5,285,000	6,568,778	4,755,390	1,790,000	1,890,000	1,390,000	16,394,168
Total Bureau of Environmental Services	\$296,780,252	\$117,862,194	\$211,875,242	\$155,167,311	\$164,852,500	\$127,373,029	\$ 68,363,842	\$727,631,924

Prior Years	Revised	Adopted	Capital Plan					5-Year Total
	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		

Combined Sewer Overflow

Balch Consolidation Conduit

Total Project Cost: 39,000,000

Area: Northwest

Dollars for Art: 0

Objective(s): Efficiency

Project Description

This project consists of a 72- to 84-inch diameter pipeline that connects two sets of flow to the Westside CSO Tunnel: CSO flow from the Balch Outfall and stormwater flow from an adjacent outfall. The pipeline will begin near the Balch CSO Outfall and will be located along Front Avenue. The pipeline length and depth will be 4,900 feet and 40 feet respectively. The Balch CSO facilities will be independent from the system that directs Balch Creek to the Willamette River. This project is part of the Portland CSO Program and must be complete by December 1, 2011 to comply with the Amended Stipulation and Final Order (ASFO) administered by DEQ.

Funding Sources

Sewer System Construction Fund	3,189	1,000,000	1,800,000	4,400,000	13,650,000	13,000,000	50,000	32,900,000
Total Funding Sources	3,189	1,000,000	1,800,000	4,400,000	13,650,000	13,000,000	50,000	32,900,000

Expenditures

Personal Services			107,895					
External Materials & Services			1,627,505					
Internal Materials & Services			64,600					
Total Expenditures	3,189	1,000,000	1,800,000	4,400,000	13,650,000	13,000,000	50,000	32,900,000

Operating & Maintenance Costs			0	0	0	0	0	0
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Prior Years	Revised	Adopted	Capital Plan					5-Year Total
	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		

Beech-Essex Separation

Total Project Cost: 7,400,000

Area: Northeast

Dollars for Art: 0

Objective(s): Mandate

Project Description

This project is a stormwater separation project to separate an outfall in connection with the Eastside Combined Sewer Overflow (ESCSO) Tunnel Project. This project also provides the secondary benefit of relieving basement flooding to 33 parcels. This project involves the installation of approximately 4,400 feet of new pipe as well as upsizing approximately 5,200 feet of existing pipes with diameters ranging from 12" to 48". The project also includes the potential relocation of approximately 1,900 feet of 6" to 8" waterlines. The stormwater flow from this newly separated outfall along with the flow from existing stormwater outfall, will be sent for treatment at Columbia Boulevard Wastewater Treatment Plant (CBWTP). In addition, eleven diversion manholes will be eliminated.

Funding Sources

Sewer System Construction Fund	0	0	0	316,000	403,000	3,443,000	3,236,000	7,398,000
Total Funding Sources	0	0	0	316,000	403,000	3,443,000	3,236,000	7,398,000

Expenditures

Total Expenditures	0	0	0	316,000	403,000	3,443,000	3,236,000	7,398,000
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Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total

California PS Upgrade

Total Project Cost: 942,000 **Area:** Southwest
Dollars for Art: 0 **Objective(s):** Mandate

Project Description

California Pump Station is located on SW California Street between SW Macadam and SW Virginia Street. The purpose of the project is to monitor flows into the pump station following completion of basin improvements. Once this data is collected, the pump station capacity will be improved to meet system demand. Also included in the project are upgrades to the pump station controls, odor control, and emergency power systems.

Funding Sources

Sewer System Construction Fund	247,404	632,637	374,000	0	0	0	0	374,000
Total Funding Sources	247,404	632,637	374,000	0	0	0	0	374,000

Expenditures

Personal Services			81,529					
Internal Materials & Services			22,000					
Minor Capital Outlay			270,471					
Total Expenditures	247,404	632,637	374,000	0	0	0	0	374,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total

CBWTP Primary Treatment Expansion

Total Project Cost: 6,634,694 **Area:** North
Dollars for Art: 0 **Objective(s):** Mandate

Project Description

This is a project to add a fourth dry weather primary clarifier (60 feet wide by 260 feet long) to the existing dry weather clarifier complex. The project includes integration of new facilities with related existing systems such as scum removal, sludge pumping, and odor control. When the project is completed the peak treatment capacity of the dry weather primary clarifiers will be 160 mgd.

Funding Sources

Sewer System Construction Fund	0	500,000	564,000	2,320,000	4,400,000	0	0	7,284,000
Total Funding Sources	0	500,000	564,000	2,320,000	4,400,000	0	0	7,284,000

Expenditures

Personal Services			120,948					
External Materials & Services			243,052					
Minor Capital Outlay			200,000					
Total Expenditures	0	500,000	564,000	2,320,000	4,400,000	0	0	7,284,000
Operating & Maintenance Costs			0	50,000	50,000	50,000	50,000	200,000

	Revised		Adopted		Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
CBWTP WW Headworks					Total Project Cost:	11,159,894		Area:	North
					Dollars for Art:	0		Objective(s):	Mandate
Project Description									
This project will design and construct a 150 mgd capacity wet weather screening facility and various hydraulic improvements at the Columbia Boulevard Wastewater Treatment Plant in order to accommodate increased influent flows projected to occur due to the implementation of the Willamette River CSO program.									
Funding Sources									
Sewer System Construction Fund	4,003,963	2,000,000	0	0	555,000	3,000,000	4,163,000	7,718,000	
Total Funding Sources	4,003,963	2,000,000	0	0	555,000	3,000,000	4,163,000	7,718,000	
Expenditures									
Total Expenditures	4,003,963	2,000,000	0	0	555,000	3,000,000	4,163,000	7,718,000	
Operating & Maintenance Costs			0	0	0	0	0	0	

	Revised		Adopted		Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Design System Startup					Total Project Cost:	1,120,491		Area:	West
					Dollars for Art:	0		Objective(s):	Mandate
Project Description									
This project will make additional modifications to the existing sewer system to connect the Westside CSO project. The project includes plugging, unplugging, abandonment, and construction at approximately 20 locations across the city to redirect flow to the Westside Tunnel. The Bureau of Maintenance is performing the modifications at approximately half the sites. The work at the remainder of the sites will be completed by private contractors.									
Funding Sources									
Sewer System Construction Fund	0	0	870,000	0	0	0	0	870,000	
Total Funding Sources	0	0	870,000	0	0	0	0	870,000	
Expenditures									
Minor Capital Outlay			870,000						
Total Expenditures	0	0	870,000	0	0	0	0	870,000	
Operating & Maintenance Costs			0	0	0	0	0	0	

	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
East Tunnel				Total Project Cost:	482,770,234				Area: East
				Dollars for Art:	0				Objective(s): Mandate
Project Description									
This project consists of approximately 31,000 feet of tunnel approximately 22 feet in diameter. The tunnel extends from the Insley combined sewer basin to the Riverside Basin (Swan Island). The tunnel will collect, convey, and store overflows from 13 combined sewer basins on the east side of the Willamette River. The tunnel will connect to a new Swan Island CSO pump station at its downstream end, located on the southern end of Swan Island. The depth of the tunnel will vary from 100 feet to 175 feet. Soil conditions along the length of the tunnel vary from Troutdale formation to sand/silt/alluvium. The tunnel is believed to be in the Troutdale formation for approximately 80% of the alignment. The 2001 Update to Portland's Combined Sewer Overflow Facilities Plan recommended this project as part of the second phase of the Willamette River CSO. This project is part of the Portland CSO Program and must be complete by December 1, 2011 to comply with the mandated Amended Stipulation and Final Order (ASFO) administered by DEQ.									
Funding Sources									
Sewer System Construction Fund	13,294,064	18,000,000	136,114,979	98,315,021	87,800,000	63,800,000	35,500,000	421,530,000	
Total Funding Sources	13,294,064	18,000,000	136,114,979	98,315,021	87,800,000	63,800,000	35,500,000	421,530,000	
Expenditures									
Personal Services			1,635,364						
External Materials & Services			1,354,345						
Internal Materials & Services			935,086						
Minor Capital Outlay			132,190,184						
Total Expenditures	13,294,064	18,000,000	136,114,979	98,315,021	87,800,000	63,800,000	35,500,000	421,530,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Eastside CSO OCIP Program				Total Project Cost:	21,000,000				Area: East
				Dollars for Art:	0				Objective(s): Mandate
Project Description									
This project funds Owner Controlled Insurance Program (OCIP) costs associated with the construction of the Eastside CSO Tunnel.									
Funding Sources									
Sewer System Construction Fund	0	0	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000	
Total Funding Sources	0	0	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000	
Expenditures									
External Materials & Services			3,000,000						
Total Expenditures	0	0	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Eastside CSO System Startup				Total Project Cost:	648,000			Area: East
				Dollars for Art:	0			Objective(s): Expansion
Project Description								
This project addresses locations where the existing collection system needs to be modified in order to direct flow properly into the Eastside Willamette CSO Tunnel. The work is needed to ensure the overall system is ready to go on-line by December 2011.								
Funding Sources								
Sewer System Construction Fund	0	0	0	0	0	0	486,842	486,842
Total Funding Sources	0	0	0	0	0	0	486,842	486,842
Expenditures								
Total Expenditures	0	0	0	0	0	0	486,842	486,842
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
H/S/S Inflow Control				Total Project Cost:	1,175,000			Area: Northeast
				Dollars for Art:	0			Objective(s): Mandate
Project Description								
The Holladay/Sullivan/Stark Basins predesign recommended seven local stormwater projects to relieve basement flooding due to sewer backups. BES will implement a range of stormwater management measures in each of the areas: residential downspout disconnection, street runoff controls, and disconnection of schools, churches, and commercial properties. The predesign concluded that the stormwater management approaches are cost-effective alternatives to replacing pipes that are prone to surcharging.								
Funding Sources								
Sewer System Construction Fund	0	249,658	340,000	435,000	400,000	0	0	1,175,000
Total Funding Sources	0	249,658	340,000	435,000	400,000	0	0	1,175,000
Expenditures								
Personal Services			140,108					
Internal Materials & Services			34,200					
Minor Capital Outlay			165,692					
Total Expenditures	0	249,658	340,000	435,000	400,000	0	0	1,175,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
H/S/S Inflow Controls 2				Total Project Cost:	900,000			Area: Northeast
				Dollars for Art:	0			Objective(s): Mandate
Project Description								
The Holladay/Sullivan/Stark Basins group of projects include stormwater inflow controls to reduce sewer surcharging, prevent basement flooding, and lessen combined sewer overflows by removing stormwater from the combined sewer system. This group of projects will design and construct shallow vegetated stormwater infiltration facilities on residential streets, schools, and some private properties. These alternative strategies for solving sewer infrastructure problems will be utilized when more effective and less costly than traditional pipe and pump approaches.								
Funding Sources								
Sewer System Construction Fund	0	0	0	0	90,000	90,000	360,000	540,000
Total Funding Sources	0	0	0	0	90,000	90,000	360,000	540,000
Expenditures								
Total Expenditures	0	0	0	0	90,000	90,000	360,000	540,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Portsmouth Force Main				Total Project Cost:	56,300,000			Area: Northwest
				Dollars for Art:	0			Objective(s): Mandate
Project Description								
This project provides the force main from the Swan Island Pump Station to the Portsmouth Tunnel for Eastside CSO flows.								
Funding Sources								
Sewer System Construction Fund	1,294,506	1,300,000	3,100,000	10,100,000	21,600,000	20,200,000	0	55,000,000
Total Funding Sources	1,294,506	1,300,000	3,100,000	10,100,000	21,600,000	20,200,000	0	55,000,000
Expenditures								
Personal Services			54,722					
External Materials & Services			2,955,478					
Internal Materials & Services			89,800					
Total Expenditures	1,294,506	1,300,000	3,100,000	10,100,000	21,600,000	20,200,000	0	55,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Sellwood Interceptor Upgrade				Total Project Cost:	1,370,000			Area: Southeast
				Dollars for Art:	0			Objective(s): Mandate
Project Description								
This project involves replacing and improving the existing Sellwood gravity interceptor, which collects and transports sewage from the Sellwood basin into the Umatilla Pump Station. The interceptor extends north from the pump station approximately 500' and south approximately 1,400' and parallels the Oregon Pacific Railroad along the east bank of the Willamette River. The interceptor's location poses a significant access problem for maintenance crews due to the location of the manholes and limited access along the railroad. The interceptor is in fair to poor condition and surcharges daily. The project also involves the construction of three diversion manholes.								
Funding Sources								
Sewer System Construction Fund	104,998	0	75,000	800,000	515,000	0	0	1,390,000
Total Funding Sources	104,998	0	75,000	800,000	515,000	0	0	1,390,000
Expenditures								
Personal Services			34,665					
External Materials & Services			26,575					
Internal Materials & Services			13,760					
Total Expenditures	104,998	0	75,000	800,000	515,000	0	0	1,390,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Sellwood Relief Sewer			Total Project Cost: 2,670,000				Area: Southeast	
			Dollars for Art: 0				Objective(s): Mandate	
Project Description								
The Sellwood Basin is located on the eastside of the Willamette River and has a total drainage area of approximately 300 acres. Approximately 85% of the basin is single-family residential with the remaining 15% multi-family, commercial, or industrial. During intense rainfall events, combined sewers in the basin that drain to the Umatilla pump station overflow to the Willamette River. This project includes a new relief sewer line and modifications to diversion manholes to direct wet weather combined flows east to the Insley Trunk.								
Funding Sources								
Sewer System Construction Fund	251,417	0	80,000	1,200,000	807,500	0	0	2,087,500
Total Funding Sources	251,417	0	80,000	1,200,000	807,500	0	0	2,087,500
Expenditures								
Personal Services			41,181					
External Materials & Services			31,667					
Internal Materials & Services			7,152					
Total Expenditures	251,417	0	80,000	1,200,000	807,500	0	0	2,087,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Sellwood Umatilla Pump Station			Total Project Cost: 2,048,000				Area: Southeast	
			Dollars for Art: 0				Objective(s): Mandate	
Project Description								
Umatilla Pump Station is located in the Sellwood Drainage Basin. Overflow currently discharges directly to the Willamette River. This project is to upgrade the capacity of the Umatilla Pump Station in order to accommodate influent flows.								
Funding Sources								
Sewer System Construction Fund	351,705	0	200,000	1,000,000	722,000	0	0	1,922,000
Total Funding Sources	351,705	0	200,000	1,000,000	722,000	0	0	1,922,000
Expenditures								
Personal Services			28,020					
External Materials & Services			169,980					
Internal Materials & Services			2,000					
Total Expenditures	351,705	0	200,000	1,000,000	722,000	0	0	1,922,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Sewer Improvement Umatilla								
			Total Project Cost:		180,000		Area:	Southeast
			Dollars for Art:		0		Objective(s):	Mandate
Project Description								
The Sellwood Interceptor Sewer is located in the Sellwood Drainage Basin, along the unimproved right-of-way on Grand Avenue. This project will replace existing combined sewer interceptor piping. New piping will join at a manhole outside the pump station walls and a new influent pipe will be constructed into the pump station. This work is completed in conjunction with the Umatilla PS Upgrade Project.								
Funding Sources								
Sewer System Construction Fund	15,271	0	0	0	162,000	0	0	162,000
Total Funding Sources	15,271	0	0	0	162,000	0	0	162,000
Expenditures								
Total Expenditures	15,271	0	0	0	162,000	0	0	162,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Swan Island PS Phase 2								
			Total Project Cost:		4,300,000		Area:	North
			Dollars for Art:		0		Objective(s):	Mandate
Project Description								
This project will add additional equipment (pumps, switchgear, piping, etc.) required for Eastside CSO flows to the Swan Island Pump Station.								
Funding Sources								
Sewer System Construction Fund	0	0	0	0	0	600,000	3,000,000	3,600,000
Total Funding Sources	0	0	0	0	0	600,000	3,000,000	3,600,000
Expenditures								
Total Expenditures	0	0	0	0	0	600,000	3,000,000	3,600,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Taggart D Separation Ph 5								
			Total Project Cost:		4,246,000		Area:	Southeast
			Dollars for Art:		0		Objective(s):	Mandate
Project Description								
The Taggart B, C, and D Basins Sewer Relief and Reconstruction Predesign Study provides a complete assessment of these combination sewer basins with recommendations for addressing basement flooding, hydraulic deficiencies, and sewer rehabilitation. The project covers the residential area from SE 32nd Avenue to SE 38th Avenue and from Grant to Hawthorne and is located in the Taggart D Basin. The project will design and construct new conveyance lines and sewer repairs to provide necessary flood relief in the area.								
Funding Sources								
Sewer System Construction Fund	0	0	0	0	0	0	82,000	82,000
Total Funding Sources	0	0	0	0	0	0	82,000	82,000
Expenditures								
Total Expenditures	0	0	0	0	0	0	82,000	82,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Tanner 4B Upper Burnside				Total Project Cost:	2,600,000			Area: West
				Dollars for Art:	0			Objective(s): Mandate
Project Description								
The Tanner Creek Phase 4 project will build approximately 4,000 feet of stormwater-only sewer pipe under Burnside Street, starting near SW Tichner Drive and ending just above NW Barnes Road. Tanner Creek work on Burnside Street started in 2002 but was suspended in summer 2003 to resolve unexpected conflicts with underground utilities. Work crews installed 6,600 feet of sewer pipe before they suspended work.								
Currently, flows from historic Tanner Creek flow into Portland's combined sewer system contribute to combined sewer overflows. The Tanner Creek Stream Diversion Projects will pipe relatively clean water from west hills watersheds directly to the Willamette River. When complete they will reduce CSOs by an average of 165 million gallons a year.								
Funding Sources								
Sewer System Construction Fund	3,909	704,557	1,503,000	0	0	0	0	1,503,000
Total Funding Sources	3,909	704,557	1,503,000	0	0	0	0	1,503,000
Expenditures								
Personal Services			163,678					
External Materials & Services			15,000					
Internal Materials & Services			79,160					
Minor Capital Outlay			1,245,162					
Total Expenditures	3,909	704,557	1,503,000	0	0	0	0	1,503,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Tanner Creek Phase 3				Total Project Cost:	11,240,000			Area: Southwest
				Dollars for Art:	0			Objective(s): Mandate
Project Description								
This section of the Tanner Creek Stream Diversion project will collect stormwater from the upper reaches of the Tanner Creek Watershed for piping directly to the river. The project consists of separating the stormflows out of the combined sewers from Sylvan to the Hwy 26 Tunnel. This will require constructing new pipelines from termination of the existing pipe at SW Jefferson and Canyon Road to Washington Park Zoo.								
Funding Sources								
Sewer System Construction Fund	2,080,321	3,358,000	6,893,000	0	0	0	0	6,893,000
Total Funding Sources	2,080,321	3,358,000	6,893,000	0	0	0	0	6,893,000
Expenditures								
Personal Services			716,473					
External Materials & Services			307,000					
Internal Materials & Services			45,100					
Minor Capital Outlay			5,824,427					
Total Expenditures	2,080,321	3,358,000	6,893,000	0	0	0	0	6,893,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Total System Startup 2006				Total Project Cost:	100,000			
				Dollars for Art:	0			
Area:								West
Objective(s):								Mandate
Project Description								
This project will integrate all of the elements of the Westside CSO into one working system.								
Funding Sources								
Sewer System Construction Fund	0	0	50,000	0	0	0	0	50,000
Total Funding Sources	0	0	50,000	0	0	0	0	50,000
Expenditures								
Personal Services			18,131					
External Materials & Services			31,869					
Total Expenditures	0	0	50,000	0	0	0	0	50,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
West Lents Basin Sewer Sep				Total Project Cost:	2,715,572			
				Dollars for Art:	0			
Area:								Southeast
Objective(s):								Mandate
Project Description								
This project will partially separate storm sewer from existing combined sewer system in West Lents 1 Basin. The scope of the project includes constructing approximately 5,000 feet of storm sewer pipes, installing a local stormwater treatment facility, and modifying/upgrading Harney Pump Station.								
Funding Sources								
Sewer System Construction Fund	48,332	0	126,800	1,005,000	1,500,000	0	0	2,631,800
Total Funding Sources	48,332	0	126,800	1,005,000	1,500,000	0	0	2,631,800
Expenditures								
Personal Services			79,788					
External Materials & Services			27,052					
Internal Materials & Services			19,960					
Total Expenditures	48,332	0	126,800	1,005,000	1,500,000	0	0	2,631,800
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Westside CSO C&C				Total Project Cost:	30,000			
				Dollars for Art:	0			
Area:								Undefined
Objective(s):								Mandate
Project Description								
This project provides communications and controls within the Westside CSO collection system.								
Funding Sources								
Sewer System Construction Fund	11,431	0	30,000	0	0	0	0	30,000
Total Funding Sources	11,431	0	30,000	0	0	0	0	30,000
Expenditures								
Personal Services			22,566					
Minor Capital Outlay			7,434					
Total Expenditures	11,431	0	30,000	0	0	0	0	30,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Westside CSO Tunnel & Swan IS PS				Total Project Cost:	402,000,000			Area: All Areas
				Dollars for Art:	0			Objective(s): Mandate
Project Description								
The Westside CSO Tunnel and Swan Island Pump Station and force mains are the backbone of a system to transport CSO flows from service areas on the west side of the Willamette River to the Columbia Boulevard Wastewater Treatment Plant. Flows will be conveyed in a tunnel from a location near the Marquam Bridge to a confluence structure and pump station on Swan Island. The tunnel system will function as both a conveyance and storage conduit for the West Willamette CSO control system. Along the tunnel route, a series of gravity conduits and drop structures will connect existing combined sewer outfalls to the tunnel. The tunnel will connect to a new 220 mgd Swan Island Pump Station. Force mains will transport flows from the pump station to existing conduits for delivery of flow to the Columbia Boulevard Wastewater Treatment Plant.								
Funding Sources								
Sewer System Construction Fund	248,055,170	61,357,342	9,500,000	0	0	0	0	9,500,000
Total Funding Sources	248,055,170	61,357,342	9,500,000	0	0	0	0	9,500,000
Expenditures								
Personal Services			1,597,411					
External Materials & Services			293,680					
Internal Materials & Services			171,200					
Minor Capital Outlay			7,437,709					
Total Expenditures	248,055,170	61,357,342	9,500,000	0	0	0	0	9,500,000
Operating & Maintenance Costs			80,000	1,140,000	1,216,040	1,305,000	1,139,640	4,880,680

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Maintenance & Reliability								
Basement Flooding & Reconstruction				Total Project Cost:	25,000,000			Area: East
				Dollars for Art:	0			Objective(s): Maintenance
Project Description								
This is a multi-year program to address capacity and structural problems throughout the combined sewer system. The combined basins are the oldest portions of the sewer system. There have been over 2,000 flooded basements reported in these basins since the mid-1970s. In recent times, the number of floodings has been reduced partly due to improvements made to the system, but also because of several years of drought. Since 1993, with the return of a more normal rain pattern, there has been a significant increase in flooded basements reported. This program provides for reconstruction of existing pipes or for the addition of new relief sewer pipes and storage pipes. These areas are all identified in the 1987 Public Facilities Plan as needing relief.								
Funding Sources								
Sewer System Construction Fund	2,600	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Total Funding Sources	2,600	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Expenditures								
Personal Services			189,258					
Internal Materials & Services			61,400					
Minor Capital Outlay			1,749,342					
Total Expenditures	2,600	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Burlingame Trunk Rehabilitation

Total Project Cost: 3,600,000 **Area:** Southwest
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

The Burlingame Sanitary Trunk is a 36-inch reinforced concrete sewer pipe, constructed in 1953. It lies in the central canyon of Stephens Creek in SW Portland, under shallow cover and in some locations it is exposed. The trunk sewer serves most of the 750-acre Stephens Creek sub-watershed. The pipe's condition has deteriorated, as indicated by radially cracked mortered joints and joint separation. The joints are leaking in many locations. Sewage has reached Stephens Creek and caused high bacteria concentrations.

The Burlingame Sanitary Trunk Sewer Rehabilitation Project will rehabilitate sewer pipe in the Stephens Creek canyon. The completed predesign study determined a repair method, cost, and schedule. The project is now in the detailed design phase.

Funding Sources

Sewer System Construction Fund	143,653	0	2,909,000	0	0	0	0	2,909,000
Total Funding Sources	143,653	0	2,909,000	0	0	0	0	2,909,000

Expenditures

Personal Services			158,170					
Internal Materials & Services			21,600					
Minor Capital Outlay			2,729,230					
Total Expenditures	143,653	0	2,909,000	0	0	0	0	2,909,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Bybee Sub-Relief & Reconstruction

Total Project Cost: 5,518,990 **Area:** Southeast
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

The Insley Basin and Taggart A Basin have been identified as high priority combined sewer areas requiring improvement in the 1999 Public Facility Plan. Modeling results indicate that 42% of the Insley Basin and 76% of the Taggart A Basin would surcharge under the 25-year, 6-hour design storm. More than 300 flooded basements have been documented within the two basins, confirming the conveyance capacity limitations. The project will design and construct stormwater controls, new conveyance lines, and major sewer repairs to provide necessary flood relief in this sub-basin.

Funding Sources

Sewer System Construction Fund	0	0	0	787,000	2,343,000	2,388,990	0	5,518,990
Total Funding Sources	0	0	0	787,000	2,343,000	2,388,990	0	5,518,990

Expenditures

Total Expenditures	0	0	0	787,000	2,343,000	2,388,990	0	5,518,990
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Hancock/Schuyler/Grand to 16th								
Total Project Cost:					2,331,000			
Dollars for Art:					0			
Area:								Northeast
Objective(s):								Maintenance
Project Description								
This project will reduce the risk of basement flooding to 68 parcels within the Holladay Basin. The need was identified in the Sullivan, Stark, Holladay Basins Pre-design Report that was completed in 2002. The work consists of upsizing local sewers in the area of NE Hancock/Schuyler from NE Grand to 16th. It will also replace seven segments of sewer that are in poor condition.								
Funding Sources								
Sewer System Construction Fund	0	0	0	0	49,000	247,000	2,029,000	2,325,000
Total Funding Sources	0	0	0	0	49,000	247,000	2,029,000	2,325,000
Expenditures								
Total Expenditures	0	0	0	0	49,000	247,000	2,029,000	2,325,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Harney PS Upgrade								
Total Project Cost:					945,000			
Dollars for Art:					0			
Area:								Southeast
Objective(s):								Maintenance
Project Description								
This project will upgrade the Harney Wastewater Pump Station to handle influent flows from the modified sewer collection system that drains to the station (Lents 1 Basin SE of Sellwood).								
Funding Sources								
Sewer System Construction Fund	0	0	85,000	850,000	10,000	0	0	945,000
Total Funding Sources	0	0	85,000	850,000	10,000	0	0	945,000
Expenditures								
Personal Services			7,392					
External Materials & Services			75,608					
Internal Materials & Services			2,000					
Total Expenditures	0	0	85,000	850,000	10,000	0	0	945,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Hollywood R&R	Total Project Cost:	6,900,000	Area:	Northeast
	Dollars for Art:	0	Objective(s):	Expansion

Project Description
 The Hollywood Relief and Reconstruction project is a combination basement flooding relief and pipe rehabilitation project located in the Hollywood District along Sandy Boulevard between NE 37th and NE 47th Ave. Basement flooding is a chronic problem in the basin and the 45" trunk sewer along Sandy Boulevard is in poor condition. The solution involves upgrading small diameter sewer pipelines that connect to the Sandy Trunk Sewer. This capital improvement project was designed in-house and is scheduled for construction between March 2006 and July 2007.

Funding Sources

Sewer System Construction Fund	106,803	5,002,000	4,431,000	0	0	0	0	4,431,000
Total Funding Sources	106,803	5,002,000	4,431,000	0	0	0	0	4,431,000

Expenditures

Personal Services			323,518					
External Materials & Services			18,500					
Internal Materials & Services			52,571					
Minor Capital Outlay			4,036,411					
Total Expenditures	106,803	5,002,000	4,431,000	0	0	0	0	4,431,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Lents 1&2 Sewer Basin Predesign	Total Project Cost:	38,000,000	Area:	Southeast
	Dollars for Art:	0	Objective(s):	Mandate

Project Description
 This project is a predesign study for Lents Basins 1 & 2. These two basins are combined sewer basins located in the Johnson Creek watershed in SE Portland. Its purpose is to develop actions that will reduce basement flooding and control CSOs. Specifically, this study will address three types of identified system deficiencies: basement flooding (system capacity problems), structurally deteriorated pipes, and CSO at levels in excess of ASFO design storms.

Funding Sources

Sewer System Construction Fund	589,363	500,000	1,200,000	9,200,000	6,300,000	4,900,000	3,600,000	25,200,000
Total Funding Sources	589,363	500,000	1,200,000	9,200,000	6,300,000	4,900,000	3,600,000	25,200,000

Expenditures

Personal Services			177,370					
External Materials & Services			1,004,510					
Internal Materials & Services			18,120					
Total Expenditures	589,363	500,000	1,200,000	9,200,000	6,300,000	4,900,000	3,600,000	25,200,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Lents Crossing				Total Project Cost:	2,800,000			Area: Southeast
				Dollars for Art:	0			Objective(s): Maintenance
Project Description								
The existing pipe, installed in the 1920s, crosses Johnson Creek and has been exposed by erosion caused by increased urbanization and by WPA channelization of the creek. The pipe sits in the creek and is a health risk, as well as a fish barrier. If it breaks it will spill sewage into the creek. This project replaces the pipe. The project will protect the structural integrity of the pipe by encasing the pipe in a reinforced, self-supporting concrete arch, and will repair 70 years of stream degradation brought about by the WPA work in the 1930s. The project will remedy the stream degradation by reducing the energy of the stream. This reduction will be a result of floodplain reconnection, and channel bed slope adjustment over 1,700 feet of stream channel. Channel bed slope adjustment will be accomplished by means of three grade control structures. The grade control structures consist of large boulders, root wads, tree boles, cobbles, and gravels. All hydraulic grade controls and elements designed to reduce the energy or shear force of the stream will be designed as a natural system to improve habitat value and function and to provide for fish passage under all flow conditions.								
Funding Sources								
Sewer System Construction Fund	1,294,256	1,200,000	1,250,000	0	0	0	0	1,250,000
Total Funding Sources	1,294,256	1,200,000	1,250,000	0	0	0	0	1,250,000
Expenditures								
Personal Services			198,384					
Internal Materials & Services			17,400					
Minor Capital Outlay			1,034,216					
Total Expenditures	1,294,256	1,200,000	1,250,000	0	0	0	0	1,250,000
Operating & Maintenance Costs			0	0	5,000	5,000	5,000	15,000

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Maintenance Capital-Construction				Total Project Cost:	1,200,000			Area: All Areas
				Dollars for Art:	0			Objective(s): Maintenance
Project Description								
The sewage and drainage collection systems develop structural and capacity problems as development occurs and the system ages. This program addresses collection system deficiencies that are smaller in scope than those which are normally contracted out, and which can be accomplished with existing maintenance crews and equipment. Individual activities are determined in response to problems identified by inspection and field investigations during the course of the year. In addition, this project includes sump construction conducted by Bureau of Maintenance crews. Examples of work performed under this project include multiple trash rack replacement, culvert replacement, sump and sediment manhole construction, manhole replacements, larger spot repairs and small reconstructions, diversion modifications, deep underground repairs, and one-block sewer replacements.								
Funding Sources								
Sewer System Construction Fund	246,570	207,000	107,000	107,000	107,000	207,000	207,000	735,000
Total Funding Sources	246,570	207,000	107,000	107,000	107,000	207,000	207,000	735,000
Expenditures								
Personal Services			21,747					
Internal Materials & Services			50,800					
Minor Capital Outlay			34,453					
Total Expenditures	246,570	207,000	107,000	107,000	107,000	207,000	207,000	735,000
Operating & Maintenance Costs			30,000	36,000	36,000	36,000	36,000	174,000

	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Maintenance Capital-Contract				Total Project Cost:	13,500,000				Area: All Areas
				Dollars for Art:	0				Objective(s): Maintenance
Project Description									
The Maintenance Capital - Contract project supports privately contracted maintenance repair and reconstruction projects throughout the collection system. Due to the age of much of our inventory, structural failures or near failures, localized flooding, and hydraulic capacity problems often occur during the year. Many of these are discovered through our routine sewer inspection program. Recent efforts have focussed on more accurately assessing the condition of our most critical pipe segments so that construction work can be directed most appropriately and effectively. During any given fiscal year, sub-projects under this project are prioritized based on the criticality and condition of the facility, and the need to protect life and property.									
Funding Sources									
Sewer System Construction Fund	752,807	2,000,000	3,250,000	5,250,000	3,250,000	3,250,000	3,250,000	18,250,000	
Total Funding Sources	752,807	2,000,000	3,250,000	5,250,000	3,250,000	3,250,000	3,250,000	18,250,000	
Expenditures									
Personal Services			346,073						
Internal Materials & Services			186,000						
Minor Capital Outlay			2,717,927						
Total Expenditures	752,807	2,000,000	3,250,000	5,250,000	3,250,000	3,250,000	3,250,000	18,250,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
MCC Emergency Projects				Total Project Cost:	1,500,000				Area: All Areas
				Dollars for Art:	0				Objective(s): Maintenance
Project Description									
The Maintenance Capital Contract (MCC) Emergency projects will establish a fund within the MCC program that will be used to address emergency repair projects that are needed during the fiscal year.									
Funding Sources									
Sewer System Construction Fund	0	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000	
Total Funding Sources	0	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000	
Expenditures									
Personal Services			12,197						
Internal Materials & Services			47,760						
Minor Capital Outlay			190,043						
Total Expenditures	0	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
NW Burnside Lining				Total Project Cost:	1,400,000		Area:	Southwest
				Dollars for Art:	0		Objective(s):	Maintenance
Project Description								
This project involves the design and construction of a 12-inch combined sewer in W Burnside Street in Portland's Central Business District. Specifically, this project will rehabilitate an existing small diameter sewer lying in the east bound travel lanes of W Burnside, from 9th Avenue to 1st Avenue. Manholes and service laterals will be replaced.								
Funding Sources								
Sewer System Construction Fund	181,995	980,000	1,000,000	0	0	0	0	1,000,000
Total Funding Sources	181,995	980,000	1,000,000	0	0	0	0	1,000,000
Expenditures								
Personal Services			46,742					
Internal Materials & Services			12,376					
Minor Capital Outlay			940,882					
Total Expenditures	181,995	980,000	1,000,000	0	0	0	0	1,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Riverside Basin Rehabilitation				Total Project Cost:	3,600,000		Area:	North
				Dollars for Art:	0		Objective(s):	Maintenance
Project Description								
A pre-design study and assessment of the combined sewer collection system within the Riverside Basin was completed in 1997. This study found through video inspection, field investigation, and review of maintenance records that there are significant structural problems within the piped collection system throughout the Riverside Basin. Recent collapse of portions of pipe in scattered areas of the basin and other system failures are attributed to the age of the system (87+ years), the methodology of pipe installation, and quality of materials at the time the system was constructed. The Riverside Basin Combined Sewer Replacement and Rehabilitation program has identified 22 projects to meet the most critical basin needs. Fourteen of these were completed from 1998 to 2003.								
Funding Sources								
Sewer System Construction Fund	399,385	21,000	20,000	100,000	100,000	100,000	0	320,000
Total Funding Sources	399,385	21,000	20,000	100,000	100,000	100,000	0	320,000
Expenditures								
Personal Services			10,038					
External Materials & Services			9,962					
Total Expenditures	399,385	21,000	20,000	100,000	100,000	100,000	0	320,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Taggart BCD-TG 3								
			Total Project Cost:		1,904,000			
			Dollars for Art:		0			
							Area: Southeast	
							Objective(s): Maintenance	
Project Description								
The Taggart B, C and D Basins have been identified as high priority combined sewer areas requiring improvement in the 1999 Public Facility Plan. Additionally, the Taggart B, C, & D Basins Sewer Relief and Reconstruction Predesign Study was completed in June 2000, providing a complete assessment of the Taggart B, C, and D combination sewer basins with recommendations for addressing basement flooding, hydraulic deficiencies, and sewer rehabilitation. The project area is bound by SE Milwaukie Avenue, SE Powell Boulevard, SE 17th Avenue, and SE Bush Street and is located in the Taggart D Basin. The neighborhood is residential with some commercial properties.								
The project will design and construct new conveyance lines to provide necessary flood relief in the area.								
Funding Sources								
Sewer System Construction Fund	0	0	41,000	190,000	1,667,000	6,000	0	1,904,000
Total Funding Sources	0	0	41,000	190,000	1,667,000	6,000	0	1,904,000
Expenditures								
Personal Services			5,064					
External Materials & Services			30,136					
Internal Materials & Services			5,800					
Total Expenditures	0	0	41,000	190,000	1,667,000	6,000	0	1,904,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Taggart D Predesign Review								
			Total Project Cost:		750,000			
			Dollars for Art:		0			
							Area: Southeast	
							Objective(s): Maintenance	
Project Description								
This project is an integrated predesign of the Taggart D combined sewer basin in SE Portland. The predesign will bring together watershed planning and engineering services to develop a full spectrum vision of the densely developed urban watershed. The objectives of the predesign will be to develop multi-themed packages of sustainable engineered solutions to improve watershed health (hydrologic, water quality, and stewardship) and address system needs (CSO reduction, basement flooding, and deteriorated pipe).								
Funding Sources								
Sewer System Construction Fund	112,697	500,000	335,000	0	0	0	0	335,000
Total Funding Sources	112,697	500,000	335,000	0	0	0	0	335,000
Expenditures								
Personal Services			40,096					
External Materials & Services			280,944					
Internal Materials & Services			13,960					
Total Expenditures	112,697	500,000	335,000	0	0	0	0	335,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Taggart Sewer Rehabilitation

Total Project Cost: 570,000 **Area:** Southeast
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project is one of 40 projects recommended in the Taggart B, C, and D Basins Sewer Relief and the Reconstruction Predesign to correct hydraulic deficiencies and basement flooding in the area. Included in this project are two sub-projects: the SE Insley & 50th Sewer Rehabilitation project to replace 483 feet of structurally deficient pipe and the SE Lafayette Street & 22nd Sewer Rehabilitation project to replace 540 feet of structurally deficient pipe.

Funding Sources

Sewer System Construction Fund	14,578	45,000	517,000	5,000	0	0	0	522,000
Total Funding Sources	14,578	45,000	517,000	5,000	0	0	0	522,000

Expenditures

Personal Services			69,558					
Internal Materials & Services			10,640					
Minor Capital Outlay			436,802					
Total Expenditures	14,578	45,000	517,000	5,000	0	0	0	522,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Taggart Woodward & 26th

Total Project Cost: 4,027,000 **Area:** Southeast
Dollars for Art: 0 **Objective(s):** Mandate

Project Description

This project will design and construct new conveyance lines to provide necessary flood relief to 107 high risk properties. In addition, the project includes major sewer repairs. The project area is bounded by SE Brooklyn, SE 34th, SE Division, and SE 20th and is located in the Taggart D Basin. The neighborhood includes single family and multifamily residences.

Funding Sources

Sewer System Construction Fund	0	0	0	420,000	3,600,000	7,000	0	4,027,000
Total Funding Sources	0	0	0	420,000	3,600,000	7,000	0	4,027,000

Expenditures

Total Expenditures	0	0	0	420,000	3,600,000	7,000	0	4,027,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Woods Trunk Rehabilitation								
			Total Project Cost:		9,300,000		Area:	West
			Dollars for Art:		0		Objective(s):	Maintenance
Project Description								
This project will rehabilitate the Woods Trunk Sewer (OHSU Collector) that lies in the historic Lair Hill neighborhood of SW Portland. The project involves design and rehabilitation of approximately 2,025 feet of brick-lined sewer, from Barbur Boulevard downstream to Moody Avenue. The existing trunk sewer was built between 1893 and 1909 along a stream bed. Repairs have been made to the sewer over the years. However, recent inspections reveal that the trunk is now undergoing more significant deterioration and requires complete rehabilitation.								
Funding Sources								
Sewer System Construction Fund	385	0	3,006,000	0	0	0	0	3,006,000
Total Funding Sources	385	0	3,006,000	0	0	0	0	3,006,000
Expenditures								
Personal Services			345,233					
Internal Materials & Services			59,400					
Minor Capital Outlay			2,601,367					
Total Expenditures	385	0	3,006,000	0	0	0	0	3,006,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Sewage Treatment Systems								
CBWTP Co-Generation Project								
			Total Project Cost:		6,200,000		Area:	North
			Dollars for Art:		0		Objective(s):	Efficiency
Project Description								
This project will utilize digester gas, which is currently wasted by burning, to generate electrical energy that could provided 50% of the projected electrical energy requirements for the CBWTP. The gas turbine could also provide heat to meet the plant process and space heating requirements. It is estimated that over a period of 15 years, the system could generate a positive cash flow of about \$2.1 million.								
Funding Sources								
Sewer System Construction Fund	0	200,000	3,300,000	2,200,000	0	0	0	5,500,000
Total Funding Sources	0	200,000	3,300,000	2,200,000	0	0	0	5,500,000
Expenditures								
Personal Services			177,480					
External Materials & Services			3,120,520					
Internal Materials & Services			2,000					
Total Expenditures	0	200,000	3,300,000	2,200,000	0	0	0	5,500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
CBWTP Digester Expansion				Total Project Cost:	15,580,000				Area: North
				Dollars for Art:	0				Objective(s): Expansion
Project Description									
Two conditions are driving the need to expand the anaerobic digesters. First, the current loading to the digesters is increasing to a point where the digestion system is nearing capacity. Second, the anticipated loading from wet weather treatment will superimpose additional increases in loading at the end of 2006 and 2011.									
Funding Sources									
Sewer System Construction Fund	0	0	300,000	0	0	0	0	0	300,000
Total Funding Sources	0	0	300,000	0	0	0	0	0	300,000
Expenditures									
Personal Services			107,592						
External Materials & Services			192,408						
Total Expenditures	0	0	300,000	0	0	0	0	0	300,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
CBWTP Outfall Line				Total Project Cost:	10,700,000				Area: North
				Dollars for Art:	0				Objective(s): Maintenance
Project Description									
This project involves repair of the existing outfall line from CBWTP to the Columbia River to insure that it can withstand the internal pressures to which it may be subjected during periods of high plant flow and high river stage, and to enable it to function effectively in tandem with a second outfall constructed in 2000 for wet weather flows. The original outfall was constructed in 1948. Little if any work has been done on this outfall line since its construction, although minor caulking and repairs were made in 1999. An adjacent parallel pipeline from the CBWTP to the Oregon Slough was constructed in 1972. The latest recommendation is to line the entire length of the existing pipeline with a circular steel liner. This recommendation is significantly different from the initial recommendation for making structural repairs. In the fall of 1997, the recommendation was further modified to propose only lining the pipeline between the Columbia Slough and the Oregon Slough. Because the Hayden Island section is subject to lower operating pressures, another lower cost method of rehabilitation will be considered.									
Funding Sources									
Sewer System Construction Fund	635,218	2,140,000	6,750,000	0	0	0	0	0	6,750,000
Total Funding Sources	635,218	2,140,000	6,750,000	0	0	0	0	0	6,750,000
Expenditures									
Personal Services			163,898						
Internal Materials & Services			17,400						
Minor Capital Outlay			6,568,702						
Total Expenditures	635,218	2,140,000	6,750,000	0	0	0	0	0	6,750,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
CBWTP Vector Control				Total Project Cost:	300,000			Area: North
				Dollars for Art:	0			Objective(s): Mandate
Project Description								
This project involves construction of the water, sewer, and storm drain utilities for the Columbia Boulevard Wastewater Plant Vector Control Building.								
Funding Sources								
Sewer System Construction Fund	0	0	300,000	0	0	0	0	300,000
Total Funding Sources	0	0	300,000	0	0	0	0	300,000
Expenditures								
Personal Services			12,336					
Internal Materials & Services			30,000					
Minor Capital Outlay			257,664					
Total Expenditures	0	0	300,000	0	0	0	0	300,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Expanded Video Monitoring				Total Project Cost:	104,000			Area: North
				Dollars for Art:	0			Objective(s): Efficiency
Project Description								
This project will expand the process and security video monitoring system at CBWTP, TCWTP & some pump stations.								
Funding Sources								
Sewer System Construction Fund	44,399	0	0	20,000	20,000	20,000	0	60,000
Total Funding Sources	44,399	0	0	20,000	20,000	20,000	0	60,000
Expenditures								
Total Expenditures	44,399	0	0	20,000	20,000	20,000	0	60,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Facilities Communication				Total Project Cost:	397,000			Area: North
				Dollars for Art:	0			Objective(s): Expansion
Project Description								
This project will upgrade facilities communication at CBWTP.								
Funding Sources								
Sewer System Construction Fund	247,220	30,000	30,000	30,000	30,000	30,000	0	120,000
Total Funding Sources	247,220	30,000	30,000	30,000	30,000	30,000	0	120,000
Expenditures								
Personal Services			28,797					
Minor Capital Outlay			1,203					
Total Expenditures	247,220	30,000	30,000	30,000	30,000	30,000	0	120,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Pump Station Improvement Program								
Total Project Cost:				14,000,000				
Dollars for Art:				0				
Area:								All Areas
Objective(s):								Mandate
Project Description								
This is a continuing program to refurbish or upgrade pump stations that are not in compliance with present codes, are not operating in a reliable manner, need improvements because of growth in the receiving sewage basin, and/or are over 20 years old with out-of-date equipment. The approved Pump Station Improvement Plan will guide the selection of pump station improvement projects within the capital improvement program. The City currently operates and maintains 96 pump stations. Many of these stations are aging, have out-of-date equipment, require maintenance, or need improvements to remain in compliance with present codes. This program was developed to ensure these facilities are maintained in accordance with a scheduled plan. During the first year of the program a Pump Station Design Manual was developed that detailed design criteria for the City's use in construction and remodel of wastewater pump stations. Pump stations over 20 years old or pump stations that have a history of high maintenance and failures are ranked for inclusion in the improvement program. In the last six years there has not been a bypass reported due to mechanical breakdown. This program is necessary to increase pump station reliability, reduce or avoid increases in maintenance costs, and to avoid failures that will cause sewage to bypass to waterways.								
Funding Sources								
Sewer System Construction Fund	3,866,796	2,000,000	1,900,000	1,600,000	1,600,000	1,600,000	1,500,000	8,200,000
Total Funding Sources	3,866,796	2,000,000	1,900,000	1,600,000	1,600,000	1,600,000	1,500,000	8,200,000
Expenditures								
Personal Services			537,490					
Internal Materials & Services			63,200					
Minor Capital Outlay			1,299,310					
Total Expenditures	3,866,796	2,000,000	1,900,000	1,600,000	1,600,000	1,600,000	1,500,000	8,200,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Sullivan PS Repairs								
Total Project Cost:				4,200,000				
Dollars for Art:				0				
Area:								Northeast
Objective(s):								Maintenance
Project Description								
This is a project to replace the Sullivan Pump Station variable speed drives and pump controls, and to make other modifications to the Sullivan Pump Station which will improve reliability and decrease maintenance requirements. The Sullivan Pump Station is the key pump station in conveying eastside flows to the CBWTP. Pump station malfunctions can easily result in bypasses to the Willamette River. (This was the case in January of 1999 when an estimated 1.6 million gallons of wastewater bypassed to the river, resulting in a \$4,200 fine from DEQ.) The present variable speed drive (VSD) equipment was installed at the Sullivan Pump Station in 1992. The equipment has a useful life of about 8 to 10 years. Likewise the programmable logic controller (PLC) equipment is 12 years old. The PLC equipment arrangement is also very complex. This project will replace the existing PLC equipment with the current BES standard and dedicate one PLC to each pump. Other control elements, which consist of wet well level controls and pump vibration sensors, and the existing Venturi meter on the east force main will also be upgraded to the current BES standard. Upgrades will also be made to the pump drive lines, channel gates, wet well lighting, wet well debris retrieval system, security system, entrance gate, pump station doors, and painting in order to address the concerns of pump station maintenance staff. Finally, the design and installation of screens for pump protection will be included.								
Funding Sources								
Sewer System Construction Fund	1,048,480	2,118,000	1,034,000	0	0	0	0	1,034,000
Total Funding Sources	1,048,480	2,118,000	1,034,000	0	0	0	0	1,034,000
Expenditures								
Personal Services			108,926					
Internal Materials & Services			11,600					
Minor Capital Outlay			913,474					
Total Expenditures	1,048,480	2,118,000	1,034,000	0	0	0	0	1,034,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
TCWTP Headworks & Primary Clarifiers								
Total Project Cost:					775,000			
Dollars for Art:					0			
Area:							Southwest	
Objective(s):							Efficiency	
Project Description								
This is a Tryon Creek Wastewater Treatment Plant Odor Control Project that is identified in the 1999 Facilities Plan. It will add an odor control system to treat odors from a new Headworks building and from the existing primary clarifiers.								
Funding Sources								
Sewer System Construction Fund	0	0	0	0	0	0	16,000	16,000
Total Funding Sources	0	0	0	0	0	0	16,000	16,000
Expenditures								
Total Expenditures	0	0	0	0	0	0	16,000	16,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
TCWTP Headworks Building & Screens								
Total Project Cost:					1,350,000			
Dollars for Art:					0			
Area:							Southwest	
Objective(s):							Expansion	
Project Description								
This is a Tryon Creek Wastewater Treatment Plant Improvement Project that is identified in the 1999 Facilities Plan. It will add screening handling improvements and enclose the existing screening facilities in a new Headworks building. An odor control system to treat the foul air exhausted from the building will be provided under a different project.								
Funding Sources								
Sewer System Construction Fund	0	0	0	0	0	0	32,000	32,000
Total Funding Sources	0	0	0	0	0	0	32,000	32,000
Expenditures								
Total Expenditures	0	0	0	0	0	0	32,000	32,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
TCWTP Thickeners & Wet Well Odor								
Total Project Cost:					735,000			
Dollars for Art:					0			
Area:							Southwest	
Objective(s):							Maintenance	
Project Description								
This is a Tryon Creek Wastewater Treatment Plant Odor Control Project that is identified in the 1999 Facilities Plan. It will add an odor control system to contain and treat odors from the existing primary sludge gravity thickeners and the waste activated sludge wet well.								
Funding Sources								
Sewer System Construction Fund	0	0	16,000	71,000	648,000	0	0	735,000
Total Funding Sources	0	0	16,000	71,000	648,000	0	0	735,000
Expenditures								
Personal Services			14,820					
Minor Capital Outlay			1,180					
Total Expenditures	0	0	16,000	71,000	648,000	0	0	735,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Treatment Facilities-Rehab & Modif

Total Project Cost: 17,200,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

The Repair, Rehabilitation, and Modifications project provides for annual reinvestment in the treatment system. The project is set up to protect capital investments and to enhance system reliability at the sewage treatment facilities. It also provides the best management practice to prevent violations of the NPDES permit. Both the Columbia and Tryon Creek treatment plants are aging facilities and therefore require a substantial amount of investment every year for repair, rehabilitation, and maintenance work. This project will facilitate rapid and practical replacement of capital equipment and upgrade of aging facilities.

Funding Sources

Sewer System Construction Fund	6,362,153	2,000,000	1,800,000	1,800,000	1,750,000	1,750,000	1,750,000	8,850,000
Total Funding Sources	6,362,153	2,000,000	1,800,000	1,800,000	1,750,000	1,750,000	1,750,000	8,850,000

Expenditures

Personal Services			525,268					
Internal Materials & Services			20,000					
Minor Capital Outlay			1,254,732					
Total Expenditures	6,362,153	2,000,000	1,800,000	1,800,000	1,750,000	1,750,000	1,750,000	8,850,000
Operating & Maintenance Costs			(10,000)	(20,000)	(30,000)	(40,000)	(50,000)	(150,000)

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Surface Water Management

Brownwood

Total Project Cost: 3,200,000 **Area:** Southeast
Dollars for Art: 0 **Objective(s):** Expansion

Project Description

The Brownwood project is located in SE Portland and was identified in the Johnson Creek Restoration Plan. In 1997, BES initiated the Johnson Creek Restoration Plan to develop projects based on previous planning documents, including the Council-adopted Johnson Creek Resources Management Plan. The Restoration Plan incorporated new hydraulic analysis and fish habitat data and developed specific recommendations to comprehensively address flooding, fish and wildlife habitat, and water quality concerns. City Council accepted and endorsed the plan on June 27, 2001.

This particular project is located on the main stem of Johnson Creek and will create floodplain and flood storage, re-meander Johnson Creek, and provide fish and wildlife habitat.

Funding Sources

Sewer System Construction Fund	28,987	1,600,000	2,000,000	820,000	20,000	19,000	0	2,859,000
Total Funding Sources	28,987	1,600,000	2,000,000	820,000	20,000	19,000	0	2,859,000

Expenditures

Personal Services			169,310					
Internal Materials & Services			31,592					
Minor Capital Outlay			1,799,098					
Total Expenditures	28,987	1,600,000	2,000,000	820,000	20,000	19,000	0	2,859,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	
Commercial Residential Partnership				Total Project Cost:	2,000,000				Area: Southeast
				Dollars for Art:	0				Objective(s): Maintenance
Project Description									
The Johnson Creek Flood Mitigation & Restoration Partnership project is an opportunity-based project that will, through the use of conservation easements and partnerships with nonprofit agencies, attempt to construct approximately 25 acre-feet of additional flood storage in Johnson Creek between SE 111th Avenue and 158th Avenue. The project will also maximize floodplain reconnection, bank stabilization efforts, and revegetation efforts.									
Funding Sources									
Sewer System Construction Fund	82,814	50,000	50,000	50,000	50,000	50,000	50,000	250,000	
Total Funding Sources	82,814	50,000	50,000	50,000	50,000	50,000	50,000	250,000	
Expenditures									
Personal Services			7,384						
Minor Capital Outlay			42,616						
Total Expenditures	82,814	50,000	50,000	50,000	50,000	50,000	50,000	250,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	
Corrective Actions: 5-UICs				Total Project Cost:	99,435				Area: Undefined
				Dollars for Art:	0				Objective(s): Expansion
Project Description									
The DEQ WPCF Permit requires corrective actions to be implemented to Underground Injection Control Systems (UICs) by July 15, 2006. Corrective actions will occur at the following locations: 1) 142nd Avenue Sump Replacement, 2) Nehalem Sump Decommissioning (Crystal Springs), and 3) Going Street Sump Replacement (south of Going & west of Port Center Way).									
Funding Sources									
Sewer System Construction Fund	0	0	99,435	0	0	0	0	99,435	
Total Funding Sources	0	0	99,435	0	0	0	0	99,435	
Expenditures									
Personal Services			10,840						
Internal Materials & Services			7,104						
Minor Capital Outlay			81,491						
Total Expenditures	0	0	99,435	0	0	0	0	99,435	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Fanno/Tryon WQ TMDL								
				Total Project Cost:		665,000		
				Dollars for Art:		0		
							Area:	Southwest
							Objective(s):	Mandate
Project Description								
This project consists of Fanno & Tryon Creek water quality, infrastructure, and habitat retrofits per the Fanno/Tryon Watershed Plan, and in response to TMDL objectives.								
Funding Sources								
Sewer System Construction Fund	923	365,000	300,000	0	0	0	0	300,000
Total Funding Sources	923	365,000	300,000	0	0	0	0	300,000
Expenditures								
Personal Services			159,311					
External Materials & Services			107,089					
Internal Materials & Services			33,600					
Total Expenditures	923	365,000	300,000	0	0	0	0	300,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Johnson Creek Restoration Prog								
				Total Project Cost:		7,920,000		
				Dollars for Art:		0		
							Area:	Southeast
							Objective(s):	Efficiency
Project Description								
The Johnson Creek Restoration Program is a result of the City's commitment to improving water quality and fish habitat and reducing flood damage in the Johnson Creek watershed. In 2001 the City adopted the Johnson Creek Restoration Plan (JCRP). This plan identified recommended actions for each of the watershed's 58 reaches. Further analysis of the stream substantiates the Restoration Plan recommendations by indicating that middle and lower sections of Johnson Creek present the best opportunities for restoration. As more information is incorporated through future watershed planning efforts, revised plans will be presented to Council and, if approved, will be used to guide this program. This program integrates these actions into high priority projects along the main-stem of the creek. The program involves implementing multiple projects simultaneously and formalizes the logic for their prioritization, scheduling, and funding.								
Funding Sources								
Sewer System Construction Fund	3,589,092	930,000	800,000	800,000	800,000	500,000	500,000	3,400,000
Total Funding Sources	3,589,092	930,000	800,000	800,000	800,000	500,000	500,000	3,400,000
Expenditures								
Personal Services			30,549					
Internal Materials & Services			58,800					
Minor Capital Outlay			710,651					
Total Expenditures	3,589,092	930,000	800,000	800,000	800,000	500,000	500,000	3,400,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

Kelley Creek Plant & Monitor

Total Project Cost: 160,663 **Area:** East
Dollars for Art: 0 **Objective(s):** Mandate

Project Description

This project will provide a five-year period of plant monitoring and maintenance for the Kelly Creek confluence site that was completed in February 2005.

Funding Sources

Sewer System Construction Fund	76,663	0	21,000	21,000	21,000	21,000	0	84,000
Total Funding Sources	76,663	0	21,000	21,000	21,000	21,000	0	84,000

Expenditures

Personal Services			8,380					
Internal Materials & Services			6,204					
Minor Capital Outlay			6,416					
Total Expenditures	76,663	0	21,000	21,000	21,000	21,000	0	84,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

Lents Interceptor Crossing

Total Project Cost: 405,000 **Area:** Southeast
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project is one of 21 high priority projects identified in the JC Restoration Plan. This project is located along the Johnson Creek Corridor and is bound by SE 76nd and Bell Avenues on the east and west and by SE Luther Road and Overland Street on the north and south. The project lies within Clackamas County and will require close coordination with staff from the County. The Johnson Creek Interceptor crosses the creek within this reach. Because of changing conditions within the watershed the pipe is now exposed and at increased risk of damage. A primary objective of this project is to protect the city's infrastructure from damage. Clackamas County has also expressed interest in purchasing property adjacent to the interceptor for park/open space purposes. This project supports the Restoration Project goals of flood protection, fishery and habitat enhancement, and water quality benefits. Objectives to achieve these goals include stabilizing the portion of Johnson Creek channel in the project area to limit excessive erosion around the pipe and create fish habitat, create constructed wetlands and enhance existing wetlands for flood storage and water quality benefits, protect an existing bridge structure over the creek at risk of structural damage, treat runoff from two stormwater outfalls, protect homes in the project area from flooding and educate property owners about the value of floodplains and wetlands. Objectives will be realized through a five phase process involving planning and predesign, design, land aquisition, implementation and revegetation work and public education.

Funding Sources

Sewer System Construction Fund	0	0	100,000	0	0	0	0	100,000
Total Funding Sources	0	0	100,000	0	0	0	0	100,000

Expenditures

Personal Services			40,668					
External Materials & Services			2,332					
Internal Materials & Services			7,000					
Minor Capital Outlay			50,000					
Total Expenditures	0	0	100,000	0	0	0	0	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Bureau of Environmental Services

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Mason Flats				Total Project Cost:	183,000			Area: Northeast
				Dollars for Art:	0			Objective(s): Efficiency
Project Description								
This project will construct Phase II of a water quality facility for stormwater draining to the Columbia Slough to improve water and sediment quality.								
Funding Sources								
Sewer System Construction Fund	3,136	183,000	0	183,000	0	0	0	183,000
Total Funding Sources	3,136	183,000	0	183,000	0	0	0	183,000
Expenditures								
Total Expenditures	3,136	183,000	0	183,000	0	0	0	183,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Mason Springs				Total Project Cost:	61,000			Area: Northeast
				Dollars for Art:	0			Objective(s): Efficiency
Project Description								
This project will enhance wetlands in the Columbia Slough to filter stormwater and restore habitat.								
Funding Sources								
Sewer System Construction Fund	40,789	70,000	61,000	0	0	0	0	61,000
Total Funding Sources	40,789	70,000	61,000	0	0	0	0	61,000
Expenditures								
Personal Services			2,268					
Internal Materials & Services			9,640					
Minor Capital Outlay			49,092					
Total Expenditures	40,789	70,000	61,000	0	0	0	0	61,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
NE 148th WQF				Total Project Cost:	2,135,939			Area: Northeast
				Dollars for Art:	0			Objective(s): Mandate
Project Description								
This project includes designing and constructing a Water Quality Facility (WQF) for the NE 148th Avenue stormwater basin. The site for the WQF is just north of Sandy and west of NE 148th Avenue. The WQF will intercept stormwater from the 763-acre basin and treat it before discharge to the Columbia Slough. Water quality improvements from this project will improve fish and other aquatic habitat and increase the aesthetic and recreational value of the watershed by decreasing visual and odor problems. This WQF will provide partial compliance with TMDLs, the NPDES permit, and the Columbia Slough Sediment Consent Order.								
Funding Sources								
Sewer System Construction Fund	0	0	158,000	130,900	1,843,000	4,039	0	2,135,939
Total Funding Sources	0	0	158,000	130,900	1,843,000	4,039	0	2,135,939
Expenditures								
Personal Services			54,972					
External Materials & Services			92,228					
Internal Materials & Services			10,800					
Total Expenditures	0	0	158,000	130,900	1,843,000	4,039	0	2,135,939
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
NE 33rd Ave Culvert					Total Project Cost:	420,000		Area:	Northeast
					Dollars for Art:	0		Objective(s):	Efficiency
Project Description									
This project will replace one large culvert at NE 33rd Avenue in the Columbia Slough to allow for better hydrology.									
Funding Sources									
Sewer System Construction Fund	0	34,000	34,000	386,000	0	0	0	0	420,000
Total Funding Sources	0	34,000	34,000	386,000	0	0	0	0	420,000
Expenditures									
Personal Services			5,400						
Internal Materials & Services			9,640						
Minor Capital Outlay			18,960						
Total Expenditures	0	34,000	34,000	386,000	0	0	0	0	420,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted		Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
S Foster East Lents					Total Project Cost:	12,106,800		Area:	Southeast
					Dollars for Art:	0		Objective(s):	Mandate
Project Description									
The East Lents Flood Mitigation and Restoration Project was identified in the Johnson Creek Restoration Plan as one of 21 high priority projects. In 1997, BES initiated the Johnson Creek Restoration Plan to develop projects based on previous planning documents, including the Council-adopted Johnson Creek Resources Management Plan. The Restoration Plan incorporated new hydraulic analysis and fish habitat data and developed specific recommendations to comprehensively address flooding, fish and wildlife habitat, and water quality concerns. City Council accepted and endorsed the Plan on June 27, 2001.									
The site for this project is located in the Lents Urban Renewal Area between I-205 and SE 110th, and is notorious for problems associated with flooding.									
Funding Sources									
Sewer System Construction Fund	0	0	0	0	0	0	412,000	412,000	412,000
Total Funding Sources	0	0	0	0	0	0	412,000	412,000	412,000
Expenditures									
Total Expenditures	0	0	0	0	0	0	412,000	412,000	412,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Sump Restoration

Total Project Cost: 27,000,000 **Area:** Northeast
Dollars for Art: 0 **Objective(s):** Expansion

Project Description

This project will provide solutions for approximately 489 Underground Injection Control Systems (UICs) that are estimated to have less than 10 feet of separation distance between the bottom of the UIC and groundwater. These UICs represent one of the largest and highest priority subsets of UICs that will require early action to achieve permit compliance. Early action will allow the City to be proactive in identifying and prioritizing solutions and phasing implementation of those solutions to meet permit timelines. DEQ issued a permit to the City on June 1, 2005 to cover the city's 8,500 active UICs. As part of this permit the City will be required to identify any UICs that will not meet conditions of the permit. Once these systems have been identified, the City will have three full CIP cycles to bring all UICs into compliance with permit requirements, either through retrofits or decommissioning.

Funding Sources

Sewer System Construction Fund	0	0	300,000	250,000	1,000,000	1,000,000	1,500,000	4,050,000
Total Funding Sources	0	0	300,000	250,000	1,000,000	1,000,000	1,500,000	4,050,000

Expenditures

Internal Materials & Services			8,560					
Minor Capital Outlay			291,440					
Total Expenditures	0	0	300,000	250,000	1,000,000	1,000,000	1,500,000	4,050,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

SW Texas Green Street

Total Project Cost: 690,000 **Area:** Southwest
Dollars for Art: 0 **Objective(s):** Expansion

Project Description

This project will construct stormwater facilities to treat, detain and dispose of drainage from a 17-acre basin that is bounded by SW California Street, SW Nevada Court, SW Capitol Highway, and SW 26th Avenue. The project will consist of a combination of conventional stormwater conveyance systems and stormwater swales to manage runoff from roofs, driveways, and newly constructed streets in the drainage area. In addition, the project includes a stormwater detention facility and restoration of damaged wetland, both located at the intersection of SW Texas Street and SW 26th Avenue.

Funding Sources

Sewer System Construction Fund	10,232	0	552,000	0	0	0	0	552,000
Total Funding Sources	10,232	0	552,000	0	0	0	0	552,000

Expenditures

Personal Services			83,191					
Internal Materials & Services			13,952					
Minor Capital Outlay			454,857					
Total Expenditures	10,232	0	552,000	0	0	0	0	552,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Taylor's Ferry WQ Facility				Total Project Cost:	248,000			Area: Southwest
				Dollars for Art:	0			Objective(s): Expansion
Project Description								
This project will construct a water quality facility at 1711 SW Taylor's Ferry Rd in order to treat stormwater from adjoining drainage basins before it enters a tributary to Tryon Creek.								
Funding Sources								
Sewer System Construction Fund	183,087	50,000	129,250	0	0	0	0	129,250
Total Funding Sources	183,087	50,000	129,250	0	0	0	0	129,250
Expenditures								
Personal Services			4,738					
Internal Materials & Services			17,132					
Minor Capital Outlay			107,380					
Total Expenditures	183,087	50,000	129,250	0	0	0	0	129,250
Operating & Maintenance Costs			0	0	750	750	750	2,250

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Wellhead Sump Retrofit				Total Project Cost:	250,000			Area: East
				Dollars for Art:	0			Objective(s): Mandate
Project Description								
This project will provide for the required retrofit of 34 sumps with sedimentation manholes. These sumps are within the Council-adopted Columbia South Shore Wellfield Wellhead Protection Area. The sumps must be retrofitted before June 30, 2008. The expected project benefits are protection of drinking water resources, and protection of beneficial groundwater uses.								
Funding Sources								
Sewer System Construction Fund	5,351	0	250,000	0	0	0	0	250,000
Total Funding Sources	5,351	0	250,000	0	0	0	0	250,000
Expenditures								
External Materials & Services			20,000					
Internal Materials & Services			32,156					
Minor Capital Outlay			197,844					
Total Expenditures	5,351	0	250,000	0	0	0	0	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Systems Development

Com/Ind/Res Sanitary Swr Ext

Total Project Cost: 7,500,000

Area: All Areas

Dollars for Art: 0

Objective(s): Mandate

Project Description

The primary objective of this program is to make sanitary sewers available to commercial/industrial/residential zones which have been at least partially developed, use on-site septic systems, and which are not able to construct new on-site systems within the DEQ regulations due to locations or land constraints. This program seeks to construct infrastructure to allow properties to obtain sanitary sewer service when needed and thus prevent public health hazards. The Commercial/Industrial/Residential Sewer Extension Program will allow construction of infrastructure for existing commercial/industrial/residential sites when a documented need for such facilities is established.

Funding Sources

Sewer System Construction Fund	435,651	1,495,000	750,000	1,250,000	1,300,000	1,400,000	900,000	5,600,000
Total Funding Sources	435,651	1,495,000	750,000	1,250,000	1,300,000	1,400,000	900,000	5,600,000

Expenditures

Personal Services			212,147					
Internal Materials & Services			33,680					
Minor Capital Outlay			504,173					
Total Expenditures	435,651	1,495,000	750,000	1,250,000	1,300,000	1,400,000	900,000	5,600,000
Operating & Maintenance Costs			5,000	6,000	7,000	8,000	9,000	35,000

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Drainage Improvement

Total Project Cost: 2,100,000

Area: All Areas

Dollars for Art: 0

Objective(s): Expansion

Project Description

The Drainage Improvement Program (DIP) provides assistance to projects initiated through Local Improvement District (LID) or Public Works Permits processes for oversizing of storm drainage facilities or upgrading of existing public downstream drainage systems. Oversizing increases capacity over the expected useful life of the facilities. In such cases, private developers or LID participants fund the capacity required to serve their own development, and DIP provides funding for additional capacity required to serve development anticipated to occur at a later date. Additionally, the DIP provides financial assistance to Local Improvement Districts for increasing storm system capacity to adequately manage drainage being conveyed from beyond their local drainage basin.

Funding Sources

Sewer System Construction Fund	1,966,592	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Total Funding Sources	1,966,592	25,000	25,000	25,000	25,000	25,000	25,000	125,000

Expenditures

Internal Materials & Services			10,800					
Minor Capital Outlay			14,200					
Total Expenditures	1,965,592	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
Office of Transportation IA				Total Project Cost:	2,400,000			Area: All Areas
				Dollars for Art:	0			Objective(s): Expansion
Project Description								
This program provides for stormwater facility and sanitary sewer design, design review, and construction inspection services associated with street improvement projects initiated by the Office of Transportation. PDOT requests necessary services and reimburses BES for all costs of these services through an interagency agreement.								
Funding Sources								
Sewer System Construction Fund	2,167,610	25,000	78,778	33,390	25,000	25,000	25,000	187,168
Total Funding Sources	2,167,610	25,000	78,778	33,390	25,000	25,000	25,000	187,168
Expenditures								
Personal Services			76,380					
External Materials & Services			2,398					
Total Expenditures	2,167,610	25,000	78,778	33,390	25,000	25,000	25,000	187,168
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
Permit Reimbursement				Total Project Cost:	1,600,000			Area: All Areas
				Dollars for Art:	0			Objective(s): Replacement
Project Description								
This program allows a developer to be reimbursed for making public sewer available to another property, per City Code Title 17.								
Funding Sources								
Sewer System Construction Fund	1,341,018	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Total Funding Sources	1,341,018	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Expenditures								
Minor Capital Outlay			40,000					
Total Expenditures	1,341,018	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Permits				Total Project Cost:	4,000,000				Area: All Areas
				Dollars for Art:	0				Objective(s): Expansion
Project Description									
This ongoing, full-cost recovery project supports new development by providing for new public sewer system facilities through the public works permitting process. When proposed development creates the need for additional sewer system facilities, private developers are required to construct those facilities under this program. As part of the permit process, BES reviews and approves both plans and final construction for compliance with system standards. Facilities developed through this process are accepted as part of the City's sewerage system when completed and approved. Thereafter, maintenance and repair are provided by the City. Facilities must be developed to system standards in order to insure that expensive maintenance problems and service failures do not occur. All bureau costs are reimbursed by the developer. There are costs not recovered, such as drafting time for as-builts, close-out and finalizing of the projects. Public Works permitted projects are forecast to increase now that the Mid-County project is completed. The completion of annexation of the Mid-County area has resulted in increased demands for additional required public facilities. Other factors that will impact public works permit projects are NPDES requirements and surface water quality needs. The number of projects is controlled by the development community and is market driven.									
Funding Sources									
Sewer System Construction Fund	0	400,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Total Funding Sources	0	400,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Expenditures									
Personal Services			222,872						
Minor Capital Outlay			177,128						
Total Expenditures	0	400,000	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Operating & Maintenance Costs			180,000	210,000	240,000	270,000	300,000		1,200,000

	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
S Airport 2A				Total Project Cost:	778,000				Area: Undefined
				Dollars for Art:	0				Objective(s): Expansion
Project Description									
This project is part of a group of projects located in the South Airport Basin that will expand the City's collection system in support of the 2040 plan. This group of projects carries out the bureau's commitment to provide an efficient sewerage system to residents and businesses within our service area, to support new development, and to protect public health and the environment. The project area lies in the NE 63rd Avenue area between the Columbia Slough on the north and the Withtaker slough on the south. The total gross area is about 40 acres. The project will provide trunk sewers and collector sewers for 11 industrial properties and 18 residential properties.									
Funding Sources									
Sewer System Construction Fund	199,495	0	20,000	600,000	0	0	0	0	620,000
Total Funding Sources	199,495	0	20,000	600,000	0	0	0	0	620,000
Expenditures									
Internal Materials & Services			20,000						
Total Expenditures	199,495	0	20,000	600,000	0	0	0	0	620,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

S Airport Phase III

Total Project Cost: 4,500,000 **Area:** Northeast
Dollars for Art: 0 **Objective(s):** Expansion

Project Description

This project is part of a group of projects located in the South Airport Basin that will expand the City's collection system in support of the 2040 plan. This group of projects carries out the bureau's commitment to provide an efficient sewerage system to residents and businesses within our service area, to support new development, and to protect public health and the environment. This project will construct approximately 6,600 feet of sanitary pipe in NE Columbia Boulevard.

Funding Sources

Sewer System Construction Fund	211,224	1,400,000	4,205,000	0	0	0	0	4,205,000
Total Funding Sources	211,224	1,400,000	4,205,000	0	0	0	0	4,205,000

Expenditures

Personal Services			135,007					
Internal Materials & Services			42,560					
Minor Capital Outlay			4,027,433					
Total Expenditures	211,224	1,400,000	4,205,000	0	0	0	0	4,205,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

S Airport Phase IV

Total Project Cost: 2,200,000 **Area:** Northeast
Dollars for Art: 0 **Objective(s):** Expansion

Project Description

This project is part of a group of projects located in the South Airport Basin that will expand the City's collection system in support of the 2040 plan. This group of projects carries out the bureau's commitment to provide an efficient sewerage system to residents and businesses within our service area, to support new development, and to protect public health and the environment.

This project will construct three small pump stations and associated force main piping. The North NE 47th pump station will be located between Whitaker and Columbia Slough. The South NE 47th pump station will be located on Whitaker Pond Park and will pump to the interceptor on Lombard. The third pump station will be located on NE 42nd Avenue and Buffalo Street and will discharge directly to the Lombard interceptor.

Funding Sources

Sewer System Construction Fund	502,377	500,000	1,000,000	1,002,000	0	0	0	2,002,000
Total Funding Sources	502,377	500,000	1,000,000	1,002,000	0	0	0	2,002,000

Expenditures

Personal Services			40,140					
External Materials & Services			917,592					
Internal Materials & Services			42,268					
Total Expenditures	502,377	500,000	1,000,000	1,002,000	0	0	0	2,002,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

S Airport Phase V

Total Project Cost: 1,590,000

Area: Northeast

Dollars for Art: 0

Objective(s): Expansion

Project Description

This project is part of a group of projects located in the South Airport Basin that will expand the City's collection system in support of the 2040 plan. This group of projects carries out the bureau's commitment to provide an efficient sewerage system to residents and businesses within our service area, to support new development, and to protect public health and the environment. This project provides sanitary sewer service from NE Columbia Boulevard to the Slough, and from west of NE 42nd Avenue to NE 47th Avenue.

Funding Sources

Sewer System Construction Fund	120,173	1,400,000	50,000	1,405,000	0	0	0	1,455,000
Total Funding Sources	120,173	1,400,000	50,000	1,405,000	0	0	0	1,455,000

Expenditures

Personal Services			35,208					
Internal Materials & Services			14,792					
Total Expenditures	120,173	1,400,000	50,000	1,405,000	0	0	0	1,455,000
Operating & Maintenance Costs			0	0	0	0	0	0



Water Bureau

Public Utilities Service Area

Overview and Financial Tables

BUREAU SUMMARY

Bureau Vision

The Portland Bureau of Water Works provides the highest quality water, customer service, and stewardship of the critical infrastructure, fiscal, and natural resources entrusted to our care. We enhance public health and safety and contribute to the economic viability and livability of the Portland metropolitan region. We are a recognized leader among water service agencies across the country.

Bureau Mission

The bureau's mission is:

- ◆ To provide reliable water service to customers in the quantities they desire and at a quality level that meets or exceeds both customer and regulatory standards.
- ◆ To provide the highest value to customers through excellent business, management, and operational practices, and appropriate application of innovation and technology.
- ◆ To be responsible stewards of the public's water infrastructure, fiscal, and natural resources.
- ◆ To provide the citizens and the City Council with a water system that supports their community objectives and overall vision for the City of Portland.

CIP Highlights

The Bureau of Water Works' Capital Improvement Plan (CIP) addresses water system infrastructure needs for the five fiscal years beginning in FY 2006-07. The program identifies \$224.4 million in improvements over the next five years.

An important element in the FY 2006-07 budget development process was establishment of the Budget Program Framework, which provides the basic structure for the budget. This structure is new this year, and consists of six budget programs that are the primary organizing elements in the City budget documents, and 22 activities (water programs) that further describe all of the bureau's work and assets. The framework details and the program descriptions are provided in the Capital Programs and Projects Section.

Over one-half of the five-year total CIP, \$122.8 million, is concentrated on improvements to the distribution system. Significant projects include ongoing water main replacements, transportation improvements in the downtown area, and other projects to address aging infrastructure replacement.

Other significant projects include over \$12 million for ongoing improvements to the Mt. Tabor and Washington Park reservoir sites, \$18.6 million for improvements to the Interstate water control center and maintenance facility, and about \$11 million for an underground conduit crossing of the Sandy River.

Major Issues

The Water Bureau's five-year CIP focuses its efforts on improving the condition of the aging infrastructure and addressing non-capital operations and maintenance needs. The FY 2007-11 CIP stresses longer term infrastructure replacement and maintenance, while still addressing short-term water system infrastructure needs and deficiencies identified through past planning and analysis.

The priorities for the Water Bureau's budget and capital program over the next five years include:

- ◆ Develop a budget and CIP that reflect community priorities and values and are funded at a level responsive to affordability concerns.
- ◆ Fund system infrastructure replacement and maintenance efforts to keep pace with deterioration and respond to the August 2004 City Auditor's report, which recommended increased maintenance of Portland's water distribution system.
- ◆ Decrease the vulnerability of the water system to natural and man-made disruptions through implementation of security measures identified in the EPA-mandated Vulnerability Assessment.
- ◆ Support other agencies' capital improvement projects (e.g., streetcar extension and transit mall light rail) as directed by City Council.
- ◆ Expand the utilization of an Asset Management System plan and Maintenance Management System to support planning and implementation of system maintenance activities.
- ◆ Complete a Distribution System Master Plan and begin to implement it.
- ◆ Secure an Endangered Species Act (ESA) compliance agreement for operations in the Bull Run Watershed, and begin implementation.
- ◆ Reassess City of Portland and U.S. Forest Service roles and responsibilities for funding and management in the Bull Run Management Unit.

A number of issues and uncertainties remain to be addressed in future CIPs. These include:

- ◆ The outcome of the City's efforts in response to the EPA's recently promulgated Long-Term 2 Enhanced Surface Water Treatment Rule (LT2) that affects the open reservoirs and may require additional water treatment.
- ◆ The need for, and potential location of, future terminal and distribution storage.
- ◆ The extent of future wholesale demand and the facilities that will be needed to meet that demand.
- ◆ The character of retail system growth and expansion, and the facilities needed to meet that demand.

Addressing and resolving these issues will further shape the Water Bureau's capital programs for the foreseeable future. The CIP is continuously evolving to reflect the water system's needs and the regulatory and other externally-driven issues that require changes to the system's infrastructure or facilities.

Changes from Prior Year

The Bureau developed the FY 2006-07 five-year CIP in conjunction with a new budget process that responds to the priorities identified by the City Council and key stakeholders. The budget totals \$42.4 million for FY 2006-07 and \$224.4 million (FY 2006-07 dollars) over the five-year period. This is a reduction for the FY 2005-06 CIP and for the five-year total. Comparing the fiscal years that are in both five-year periods (FY 2006-07 through FY 2009-10), the reduction is about \$12 million.

The FY 2007-11 CIP was formulated with a decreased reliance on consultant services and an increase in the number of Water Bureau staff dedicated to the CIP. The following are highlights of the CIP changes by budget program area since last year:

Supply

There is additional emphasis on maintenance of existing facilities in the Bull Run watershed areas and groundwater basins. Development of additional groundwater supplies is delayed until after 2011. This supports the effectiveness measure of providing 95% or more of the City's annual water supply from Bull Run during normal operating conditions.

Transmission and Terminal Storage

The plan continues work required by Council Resolution #36237, to improve security at the Mt. Tabor and Washington Park reservoir sites.

Reducing the vulnerability of the transmission conduits to natural and other hazards is a high priority. The bureau has applied for federal grant funds for the Conduit Trestle Vulnerability Reduction and the Sandy River Crossing Conduit Relocation projects. The funding request totals about \$6.0 million for the two projects.

Scheduling for the Willamette River Crossing pipeline has been delayed until completion of planning studies to determine the optimal location of the crossing.

Distribution

Over half of the total CIP budget, including most of the bureau's capital maintenance activities, is dedicated to the Distribution program. Specific areas of focus include pump stations and tanks, distribution pipelines, services, meters, hydrants, valves, and field support. The FY 2006-07 plan reduces project expenditures by about \$4 million from the \$31 million proposed in the FY 2005-06 Revised Budget, with the reduction largely reflecting a more realistic expectation of how much work can be completed by the end of the fiscal year. Over the span of the CIP, additional expenditures are directed to capitalized maintenance as the bureau hires and trains additional staff dedicated to operation and maintenance functions.

Regulatory Compliance

The EPA's LT2 Rule was promulgated as final on January 5, 2006. There are no budgeted resources in the FY 2006-07 Water Bureau budget or 2007-11 Capital Improvement Plan for pre-design, design, or construction work associated with the development of treatment facilities or modifications to the open reservoirs to comply with the rule. There is \$410,000 budgeted in the first two years of the CIP to provide assistance to the City Attorney's office for specialized environmental legal work.

Customer Service

Security-related projects, work on decorative and drinking fountains, and projects for the bureau's grounds and parks are budgeted in this program. The CIP was reduced to more attainable expenditure levels.

Support

This program includes projects to improve bureau facilities, including the Interstate control center and maintenance facility. The CIP for Infrastructure Master Plans is reduced significantly, from a five-year total of \$5.9 million to \$1.5 million. The Interstate Facility Rehabilitation project budget increases \$2.2 million to \$18.6 million for the five-year period, and is extended for two years, through FY 2010-11.

STRATEGIC DIRECTION

Council Goals and Priorities

The Citizen/Employee Budget Committee considered City Council's goals in establishing the budget criteria that helped guide the specific funding level decisions. The bureau also met with the Portland Utility Review Board to review the CIP. The CIP addresses multiple City goals, primarily delivery of efficient, effective, and accountable municipal services, and protection and enhancement of the natural and built environment. Some projects address other goals, such as downtown transit mall work (promote economic vitality), and development of hydro parks under the General Building Maintenance project (improve the quality of life in neighborhoods).

City Comprehensive Plan

The bureau is committed to the following Comprehensive Plan Goals and Policies for the City:

Goal 2, Urban Development: The CIP supports safe, adequate, and affordable water supplies to support the land uses listed in this Goal's strategies.

Goal 3, Neighborhoods: The CIP supports policy 3.1 on physical conditions which prevent the deterioration of existing public facilities through projects that maintain and replace infrastructure assets. These include mains replacements, pump station upgrades, meter replacements, hydrant renewals, tank maintenance or new tank development, and in-city transmission main replacements or development.

Goal 4, Housing: The water system is designed to meet the housing needs allocated to various areas within the city through the Comprehensive Plan.

Goal 5, Economic Development: A key aim of the CIP is to ensure that water quantity and quality meet the existing and potential needs of businesses in support of policy 5.2 Business Development, 5.5 Infrastructure Development, and 5.10 Columbia South Shore.

Goal 6, Transportation: The CIP funds water system adjustments and relocations required to accommodate the construction and operation of light rail and other transportation projects.

Goal 7, Energy: The CIP supports energy efficiency policies through the industrial water conservation program, and through the planning and construction of capital facilities that include sustainability as an important criterion.

Goal 8, Environment: The bureau's CIP supports the implementation of the ESA agreement for the Bull Run Watershed. In addition, all water projects planned for construction that may impact environmentally sensitive areas inside the urban area include studies of the environmental issues, recommendations for mitigation, and any necessary City and federal permit processes that apply, including environmental zone reviews and ESA consultations.

Goal 9, Public Involvement: The Water Bureau engaged the public in developing its budget and the CIP. All Portland CIP projects that affect neighborhoods or that require City, state, and/or federal permit review processes include public involvement elements.

Goal 11, Public Facilities: The CIP is designed to meet the primary Public Facilities Goal, particularly Policy 11.1 on service responsibility for subsection (6) - Water Supply. Policy 11.7 requires that the Capital Improvement Plan be an annual planning process for major improvements.

CAPITAL PLANNING & BUDGETING

Capital Planning Process

The community and staff input received at the September 2005 budget conference was influential in the bureau's decision to shift the budget priorities to focus on maintaining, improving, or replacing aging infrastructure that is essential to the long-term health of the water system. In addition, the bureau utilizes a variety of strategic planning and analysis processes and reports to identify needed infrastructure improvements and to guide the appropriate timing of capital projects to meet water system needs. The Infrastructure Master Plan, completed in 2000, identified the needs of the supply, storage, and transmission system. A Distribution System Master Plan is under development, which will provide significant new information about the system needs for future CIP planning.

Portland Water System

The water system is owned and operated by the City of Portland and is funded primarily by utility rates. It is the largest domestic water system in Oregon, serving more than 800,000 people. Water flows from two sources: the Bull Run Watershed, located on the western flanks of Mount Hood, and the Columbia South Shore Well Field, near the banks of the Columbia River, west of the city of Troutdale.

Average water use over a typical year in recent years is about 97 million gallons per day. On a hot summer day, demand can exceed 180 million gallons. Some 33 billion gallons of water are delivered to customers annually, about 61% of which is delivered to customers within the city limits. The remaining 39% is sold to customers in 19 surrounding cities and special water districts.

The water system is composed of:

- ◆ A primary surface water supply with two dams located in the Bull Run Watershed capable of delivering up to 200 million gallons a day
- ◆ A back-up and supplementary groundwater supply system with more than 31 wells, that can supply 100 million gallons on a peak day
- ◆ Three conduits running 25 miles between the Bull Run Watershed and the city
- ◆ In-city storage capacity of about 300 million gallons in 79 tanks, five open reservoirs, and two buried reservoirs
- ◆ 42 pump stations
- ◆ 270 regulator stations with about 640 regulators
- ◆ A distribution network of more than 2,100 miles of pipe of various sizes
- ◆ More than 16,000 fire hydrants
- ◆ Over 60,000 valves
- ◆ Service connections to about 177,000 retail residential and commercial customers

Budget Development and CIP Public Involvement Process

In August 2005, the Water Bureau initiated a new approach to its budget development and Capital Improvement Plan process. The process relied on collaboration among citizen stakeholders, frontline employees, and bureau management. This process began with an all-day budget conference that gathered ideas and concerns from more than 130 people.

The budget priorities identified from the conference were:

- ◆ Replace aging infrastructure
- ◆ Maintain existing infrastructure
- ◆ Upgrade facilities, technology, and systems
- ◆ Provide training, succession planning, and other workforce development
- ◆ Increase resources for support activities
- ◆ Improve data management to support operations and maintenance
- ◆ Improve system performance to better serve customers
- ◆ Improve equipment and tools
- ◆ Reduce costs and create efficiencies
- ◆ Improve the bureau's public image and relationship with citizens

Commissioner Randy Leonard and the bureau created a joint Citizen/Employee Budget Committee in early October, which was charged with developing budget objectives and recommendations on spending levels for specific programs and projects. The committee, which included 32 individuals representing a diverse group of bureau employees, managers, and interested citizens, met eight times before unanimously supporting the budget and CIP that were ultimately presented to the Mayor and Council.

Budget and Water Programs

An important element in the budget development process was to establish the Budget Program Framework, which provides the basic structure for the budget. It consists of six budget programs, which are further refined in 22 water programs that encompass all of the bureau's work. The framework is as follows:

Supply Program

- ◆ Bull Run Watershed
- ◆ Groundwater

Transmission & Terminal Storage Program

- ◆ Terminal Reservoirs
- ◆ Conduits/Transmission

Distribution Program

- ◆ Pump Stations/Tanks
- ◆ Distribution Mains
- ◆ Services
- ◆ Meters
- ◆ Hydrants
- ◆ Valves/Gates/Regulators
- ◆ Field Support

Regulatory Compliance Program

- ◆ Regulatory Compliance

Customer Service Program

- ◆ Customer Services
- ◆ Conservation/Sustainability
- ◆ Security/Emergency Management
- ◆ Fountains
- ◆ Grounds/Parks

Support Program

- ◆ Bureau Support
- ◆ Employee Investment
- ◆ Data Management
- ◆ Planning
- ◆ Facilities

Each of the 22 water programs has a full description that includes its defined purpose(s), desired outcomes or effectiveness measures, its infrastructure or inventory, and a description of tasks and activities. (The program descriptions are on the Water Bureau's website at <http://www.portlandonline.com/water/index.cfm?&a=97800>.) The effectiveness measures provide the baseline for the desired outcome in each program, which helped guide the level of funding included in the budget proposal. Overall, the Budget Program Framework provides an integrated approach that assures continuity between the bureau's planning (what is budgeted) and accomplishments (the work that is done).

The CIP responds to the priorities identified through the budget conference and in collaboration with the Citizen/Employee Budget Committee. Development of the CIP also considered the City goals and is closely linked to the bureau's five-year financial plan. The CIP for FY 2006-07 contains 61 projects with budgets totaling \$42.4 million, and 75 projects for \$224.4 million over the five-year period. This is a decrease from the FY 2006-10 CIP in both the first year and the five-year total, which reflects a number of factors that were highlighted during the budget development process. These include:

- ◆ Based on the priorities identified at the budget conference, the budget directs the bureau's work efforts toward replacement of aging infrastructure, increased maintenance of existing assets, and a reduction in the number of plans and studies.
- ◆ The Water Bureau has been unable to fully implement the adopted CIP budgets in the past several years. The Adopted Budget sets the CIP at a realistically achievable level.
- ◆ Funding the CIP at the prior year's levels, with additions for increased maintenance, would have required a significant rate increase. Reducing the CIP was one of several strategies used to reduce the rate impact while still addressing the priority work.

Financial Forecast Overview

The CIP is an integral element in the development of the bureau's financial plan. Because of the magnitude of the dollars involved, the size of the CIP has a significant effect on water rates. The mix of projects in the CIP is also important. Projects related to supply and transmission enhancements serve both wholesale and retail customers alike, but costs for projects related to the distribution system can only be allocated to retail customers. Finally, the method chosen to finance projects affects rates as well. Specifically, debt service coverage targets (the balance between debt and cash financing) and bond terms and structures can have a significant effect on water rates.

Water Bureau staff has calculated the projected water billing rates for the five-year financial forecast based on the CIP and base budgets and other factors affecting rates. Those factors include projected demand estimates, inflation factors, and other economic factors such as interest rates.

The Water Bureau's average effective retail rate increase for FY 2006-07 is 2.5%, a modest reduction from the previous increase proposed for the same year in the FY 2005-06 five-year financial plan.

Financial planning assumptions regarding wholesale demand and revenues continue to be based on the current contracts. New contract terms have been negotiated and agreed to between the City and all but one of the wholesale customers. These new contracts are the result of more than two years of discussions, and they secure minimum water sales amounts for ten years or more. The amount of revenue to be generated from wholesale customers under these new contracts is guaranteed to be \$14.7 million, based on the take-or-pay provisions in the contracts and the guaranteed water quantities requested by each wholesale customer. This revenue is included in the current financial plan of the bureau. There is some potential for additional revenues from interruptible water sales to wholesale customers, but because such sales are very uncertain, there is no projection of such additional sales in the financial plan. More information on water rates is available in the bureau's financial plan.

Water Construction Fund

Capital investments in the water system are funded through the Water Construction Fund (WCF). The WCF is financed from three major sources: transfers from the Water Fund (primarily water sales revenues), proceeds from revenue bond sales, and construction fund revenues (direct reimbursements, system development charges, and interest earnings). These monies fund indirect capital costs (overhead and interest) as well as direct project costs. For this five-year plan, approximately 40% of capital requirements are funded with current resources, and the balance comes from bond proceeds.

Cash/Water Sales Financing: The bureau's level of WCF cash financing from rate revenues is set to ensure maintenance of a targeted overall debt service coverage ratio of 1.75. This ratio reflects the bureau's desire to optimize its capital financing strategies, thus maximizing its existing resources. The bureau is currently working with the Office of Management and Finance to develop an alternative financing structure in which the current senior lien debt would continue with the debt coverage target ratio of 1.90, and the overall debt coverage target ratio for all outstanding debt would be lowered to approximately 1.75. These planned coverage ratios will be discussed with analysts from Moody's Investors Service this summer and may change based on their feedback.

WCF Revenues: The bureau's level of WCF revenues is determined mainly by the actions of external parties, with the majority of these revenues (in current dollars) coming from transportation projects (\$9 million), system development charges (\$15 million), and service installations (\$10 million). Additionally, beginning with FY 2006-07, the bureau will be seeking full cost recovery for all applicable projects.

Debt Financing: Pursuant to the City Charter, state statutory authority, and City Council approval, the bureau may issue debt in the form of revenue or general obligation bonds. By City Charter, the WCF is the recipient of proceeds from construction bond sales. The bureau plans to issue revenue bonds in FY 2006-07, FY 2008-09, and FY 2010-11 to provide necessary debt financing for the five-year period. Bonds are typically issued every two years to facilitate compliance with IRS regulations regarding the period during which the proceeds must be spent.

CIP Expenses

The bureau's CIP includes project expenditures that cannot be funded through the WCF. These expenditures generally fall into the grouping of capital studies, preliminary engineering, and other expensed investments that do not clearly meet the capital criteria of a betterment, improvement, or addition to the water system. For financial planning purposes, expensed CIP project costs are either identified directly (such as the Distribution Master Plan) or estimated as a percentage share of the capital budget. Based on recent historical experience, this share estimate remains at 3% of the direct capital budget. As an operating cost, these CIP expenses are 100% cash-financed, usually through water sales.

Retail Rate Impact

The revenue forecasts refer to the costs that are expected be recovered from water sales, regardless of from whom they will be collected. To determine the rate impacts of a revenue requirement, the revenue requirement must be allocated between wholesale and retail customers. Contractual provisions specify the method of allocating costs to wholesale customers. Retail rates are set on what might be thought of as a "residual cash basis" to recover whatever portion of the total cash basis revenue requirement is not allocable to wholesale customers.

Public Facilities Plan Overview

The bureau utilizes a variety of strategic planning and analysis processes and reports to identify needed infrastructure improvements and to guide the appropriate timing of capital projects to meet water system needs. Recent planning efforts include the Infrastructure Master Plan, completed in 2000, and a Distribution System Master Plan that is under development and will provide significant new information about the system needs for future CIP planning. In addition, the EPA-mandated Vulnerability Assessment provided valuable information about the water system needs.

The Water Bureau is participating in the Capital System Plan process that is being managed by the Bureau of Planning. This process will lead to an updated Public Facilities Plan that will become the state-acknowledged component of the City's Comprehensive Plan.

Asset Management and Replacement Plans

The bureau's general asset management goal is to extend the useful life of the City's water facilities through maintenance and repair until such time as infrastructure replacement is more cost effective. The type of facility, its age, and the effectiveness of past maintenance and repair activities drive the repair and replacement cycles.

The operational life of a majority of the bureau's key infrastructure facilities, such as the Bull Run dams, pipeline networks, buildings, and concrete reservoirs, ranges from 50 years to more than 100 years. Other assets such as mechanical and electrical systems and certain distribution system appurtenances (meters, regulators, etc.) usually have shorter life cycles of 20 to 50 years. These life cycle ranges are a key driver of the bureau's ongoing capital maintenance programs.

A large portion of the capital program is focused on maintenance and replacement of key system components. In addition to the capital program, the bureau has a preventive maintenance and repair program in the operating budget that provides for more immediate and routine maintenance. In this budget, staff and funds have been added for additional maintenance, especially on valves, hydrants, and meters.

With an estimated replacement value for the City's water system of more than \$3.5 billion, asset management and replacement programs will continue to be one of the largest CIP activities, protecting the public's investment in its drinking water system. The single most significant infrastructure replacement program in the CIP is the Distribution System program that replaces about ten miles of distribution mains annually.

An assessment of the water system, based on a comparison of the age of assets to their useful life, on actual condition assessment data, or on identified vulnerabilities, suggests that the transmission and distribution system's capital costs will need to increase in the future, as many of these assets reach the end of their economic life.

The bureau is undertaking projects in the next few years that will refine and further develop its asset management strategy. This work will be focused on the distribution system and will incorporate information developed in the Distribution System Master Plan, Maintenance Management System, and Asset Management System. These projects will evaluate system condition and deficiencies and will develop cost-effective maintenance and repair programs.

Growth Management Issues

The Water Bureau works with other City and local government agencies to address urban growth-related issues. It reviews and approves individual customer service requests, developers' infrastructure requests, and redevelopment in the city, most of which is associated with growth.

The bureau also analyzes its ability to serve areas requesting annexation, and provides service cost estimates for additions of urban property reserves associated with urban growth boundary (UGB) expansion. According to Metro (the regional agency for growth management coordination), Portland is expecting a significant increase in population within the city limits over the next 20 years. As population densities increase, the impact to the water system will be regularly evaluated. Once a decision is made to annex an area, the bureau works with Metro and other City agencies to develop detailed plans for the provision of water service and other services.

The bureau also operates a number of facilities that are located outside the UGB in both Multnomah and Clackamas counties, such as the Bull Run dams and the supply conduits. These facilities and associated CIP projects located outside the UGB are developed and implemented to minimize the effect on rural and natural resource lands.

CAPITAL PROGRAMS & PROJECTS

Major Projects By Program

The following are highlights of the CIP by budget program area with five-year CIP totals:

Supply

This program emphasizes the maintenance of existing facilities in the Bull Run Watershed and groundwater basins. Major projects include ongoing watershed maintenance activities totaling over \$2.2 million, and improvements to the Dam #2 Stilling Basin of \$1.4 million.

Transmission and Terminal Storage

The plan continues work at the Mt. Tabor and Washington Park reservoir sites to improve security and upgrade the facilities. Over \$12.0 million is budgeted for these improvements.

Grant funds have been requested for the Conduit Trestle Vulnerability Reduction and are proposed for the Sandy River Crossing Conduit Relocation. The grant requests will provide a maximum of \$6.0 million of the nearly \$19.0 million required for the combined projects.

Distribution

Over half of the total CIP budget, \$122 million, is dedicated to this program. Specific areas of focus include pump stations and tanks, distribution pipelines, services, meters, hydrants, and valves. Of the total, about \$63 million is to be used for direct water line replacement projects. Much of this effort is a result of work by other bureaus, such as PDOT's improvements in downtown, but other work is driven by the need to replace the oldest or most deteriorated portions of the distribution system.

Regulatory Compliance

The CIP includes over \$10 million for compliance with the Endangered Species Act, and over \$5 million for improvements to deteriorating facilities at Headworks and the Lusted Hill site. With the promulgation of EPA's LT2 Rule, \$410,000 is budgeted to provide assistance to the City Attorney's office for specialized environmental legal work.

Customer Service

This program includes four CIP projects in FY 2006-07, none more than \$212,000.

Support

This program includes projects to improve bureau facilities, including the Interstate control center and maintenance facility. Other major projects include completion of the Distribution Master Plan and the first phase of the Interstate facility rehab.

Net Operating and Maintenance Costs or Savings

Operating and Maintenance (O&M) costs, when applicable, are estimated as part of the project feasibility study and preliminary evaluations. The costs generally include labor, electricity or fuel, and chemicals. Changes in the cost of energy and chemicals are normally much easier than labor or efficiency savings to identify and estimate.

Many of the ongoing replacement projects have been assigned a nominal value in anticipation of reductions in O&M costs. For example, the replacement of pipelines with a high frequency of leaks will result in reduced O&M due to leak repairs. If distributed over the thousands of miles of existing pipeline, the unit O&M cost is insignificant.

Other projects, such as new pump station improvements, have increased O&M costs mainly as a result of energy consumption and are shown on the detailed tables.

Funding Sources

See the "Financial Forecast Overview" for an explanation of funding sources for the CIP.

Water Bureau
Public Utilities Service Area

This table summarizes capital costs by geographic area within each bureau in this service area.

Service Area	Prior Years	Revised	Adopted	Capital Plan				5-Year Total
		FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Geographic Area								
Water Bureau								
All Areas	13,732,635	30,871,000	27,087,500	31,272,000	40,287,000	36,812,000	32,514,000	167,972,500
Central City	393,597	12,531,000	8,375,000	5,059,000	1,559,000	1,824,000	3,489,000	20,306,000
East	441,549	820,000	556,000	945,000	820,000	705,000	1,120,000	4,146,000
Northeast	92,783	0	602,000	2,250,000	3,300,000	250,000	250,000	6,652,000
Northwest	12,388	470,000	435,000	1,636,000	1,087,000	925,000	2,025,000	6,108,000
Southeast	891,379	4,805,000	5,189,000	3,050,000	2,500,000	2,600,000	4,950,000	18,289,000
Southwest	0	0	100,000	535,000	100,000	0	25,000	760,000
West	0	0	67,000	75,000	0	0	0	142,000
Total Water Bureau	\$ 15,564,331	\$ 49,497,000	\$ 42,411,500	\$ 44,822,000	\$ 49,653,000	\$ 43,116,000	\$ 44,373,000	\$224,375,500

CAPITAL PROJECTS

Capital Improvement Plan — Water Bureau

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program	Prior Years	Revised	Adopted	Capital Plan				5-Year Total
		FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	
Project								
Water Bureau								
Customer Service								
Critical Facilities Group	1,886,451	575,000	103,000	100,000	100,000	100,000	100,000	503,000
Dodge Park Master Plan	0	70,000	123,000	250,000	250,000	0	0	623,000
Fountains Improvements Group	ongoing	205,000	212,000	209,000	209,000	209,000	209,000	1,048,000
Powell Butte Maintenance	28,262	0	207,000	300,000	300,000	200,000	200,000	1,207,000
Total Customer Service	1,914,713	850,000	645,000	859,000	859,000	509,000	509,000	3,381,000
Distribution								
Bulk Water Use Management	44,904	50,000	21,000	200,000	200,000	0	0	421,000
Bureau of Env Services Projects	ongoing	236,000	130,000	300,000	300,000	300,000	300,000	1,330,000
Burlingame Svc Area Imp Group	0	0	100,000	535,000	100,000	0	25,000	760,000
Council Crest Storage Improve	0	0	0	0	0	15,000	0	15,000
Distribution Mains Program	ongoing	6,820,000	4,792,000	5,900,000	6,900,000	6,900,000	6,900,000	31,392,000
Electrical Code Compliance	36,686	0	126,000	100,000	0	0	0	226,000
Equipment Purchases	ongoing	2,922,000	4,121,000	3,000,000	3,000,000	3,000,000	3,000,000	16,121,000
Hydrant Replacement	ongoing	1,000,000	573,000	500,000	500,000	750,000	750,000	3,073,000
Large Meter Replacement	478,887	1,050,000	1,331,000	1,050,000	1,050,000	1,050,000	1,050,000	5,531,000
Meter Purchases	ongoing	765,000	900,000	900,000	900,000	900,000	900,000	4,500,000
Microwave/Communications System	50,648	0	0	0	0	0	100,000	100,000
New Water Services	ongoing	2,080,000	2,355,000	2,080,000	2,080,000	2,080,000	2,080,000	10,675,000
NW Hills Service Area Imp. Group	0	470,000	277,000	436,000	1,087,000	925,000	2,025,000	4,750,000
ODOT Water Line Adjust Projects	ongoing	675,000	677,500	675,000	675,000	675,000	675,000	3,377,500
PDOT Water Line Adjust Projects	ongoing	10,890,000	7,544,000	4,000,000	500,000	500,000	500,000	13,044,000
Powell Butte Supply Sys Bypass	0	0	31,000	50,000	1,000,000	1,000,000	3,000,000	5,081,000
Pump & Control Maintenance	52,827	0	203,000	200,000	200,000	200,000	200,000	1,003,000
Regulator Maintenance	0	200,000	69,000	150,000	150,000	150,000	150,000	669,000
SCADA Improvements Group	393,597	785,000	489,000	450,000	450,000	450,000	450,000	2,289,000
Storage Tank Maintenance	ongoing	500,000	401,000	400,000	400,000	400,000	400,000	2,001,000
Transmission Mains Program	ongoing	1,552,000	1,614,000	2,700,000	900,000	900,000	900,000	7,014,000
Upper Linnton Tank	0	0	93,000	500,000	0	0	0	593,000
Utility Line Relocations	ongoing	1,000,000	100,000	500,000	500,000	500,000	500,000	2,100,000
Valve Replacements	ongoing	0	873,000	802,000	802,000	1,302,000	1,302,000	5,081,000
Water Tank Overflow Improvements	0	0	63,000	100,000	100,000	100,000	0	363,000
Wholesale Meters Maint & Rehab	ongoing	0	91,000	100,000	100,000	100,000	100,000	491,000
Willamette Heights Tank Analysis	12,388	0	65,000	700,000	0	0	0	765,000
Total Distribution	1,069,937	30,995,000	27,039,500	26,328,000	21,894,000	22,197,000	25,307,000	122,765,500
Regulatory Compliance								
Bull Run Dam 2 Tower Improvements	0	0	191,000	600,000	4,760,000	2,860,000	2,160,000	10,571,000
Contaminant Monitors	0	0	175,000	0	50,000	0	50,000	275,000
ESA Compliance Capital	0	250,000	0	500,000	500,000	500,000	0	1,500,000
Facilities Improvement Group	152,637	250,000	265,000	450,000	1,250,000	1,250,000	2,250,000	5,465,000
Regulatory Assistance	0	0	260,000	150,000	0	0	0	410,000
Regulatory Compliance Studies	ongoing	50,000	51,000	125,000	125,000	125,000	125,000	551,000
Water Quality Sampling Stations	644,740	75,000	84,000	0	25,000	0	25,000	134,000
Total Regulatory Compliance	797,377	625,000	1,026,000	1,825,000	6,710,000	4,735,000	4,610,000	18,906,000
Supply								
108-inch Pipeline	0	0	0	200,000	600,000	200,000	0	1,000,000
Bull Run Dam 1 Outlet Improvements	0	0	113,000	150,000	150,000	150,000	150,000	713,000
Bull Run Dam 2 Stilling Pool	163,303	0	107,000	350,000	800,000	100,000	0	1,357,000
Bull Run Dams Maintenance	14,459	0	0	0	0	0	50,000	50,000
Bull Run Lake Cabins	0	0	175,000	0	0	0	0	175,000
Bull Run Lake Discharge	0	0	0	50,000	200,000	250,000	50,000	550,000
Bull Run Seismic	259,012	0	32,000	70,000	0	0	0	102,000
Bull Run Watershed Maintenance	ongoing	500,000	304,000	500,000	500,000	500,000	500,000	2,304,000
Forest Service/City Land Exchange	362,639	350,000	111,000	325,000	200,000	85,000	0	721,000
Groundwater Remediation	5,202,107	0	104,000	0	0	0	0	104,000
Groundwater Vulnerability Group	0	0	145,000	2,000,000	3,050,000	0	0	5,195,000

Capital Improvement Plan — Water Bureau

CAPITAL PROJECTS

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program Project	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Groundwater Well Piping Imp	0	0	0	250,000	250,000	250,000	250,000	1,000,000	
Major Well Rehabilitation Group	ongoing	2,970,000	517,000	495,000	495,000	495,000	495,000	2,497,000	
Small Wells	0	0	31,000	0	0	0	50,000	81,000	
Well 38 Pump & Site Improvements	92,783	0	457,000	0	0	0	0	457,000	
Wellhead Protection Monitoring	ongoing	200,000	147,000	200,000	200,000	200,000	200,000	947,000	
West Wellfield Test Wells	0	0	0	0	0	50,000	230,000	280,000	
Total Supply	6,094,303	4,020,000	2,243,000	4,590,000	6,445,000	2,280,000	1,975,000	17,533,000	
Support									
Building Maintenance - General	ongoing	100,000	1,480,000	400,000	400,000	400,000	400,000	3,080,000	
Distribution System Master Plan	60,276	0	500,000	0	0	0	0	500,000	
Distribution System Planning	ongoing	0	54,000	50,000	50,000	50,000	50,000	254,000	
Div 86 Conservation Mgmt Plan	0	360,000	357,000	0	0	0	0	357,000	
Infrastructure Master Plans	1,256,892	857,000	0	375,000	375,000	375,000	375,000	1,500,000	
Interstate Facility Rehab	263,050	2,000,000	703,000	2,500,000	3,700,000	6,200,000	5,500,000	18,603,000	
System Metering	0	0	0	0	0	0	27,000	27,000	
Westside Supply Pipeline	0	0	67,000	75,000	0	0	0	142,000	
Total Support	1,580,218	3,317,000	3,161,000	3,400,000	4,525,000	7,025,000	6,352,000	24,463,000	
Transmission & Terminal Storage									
Bull Run Bridge Maintenance	0	0	104,000	300,000	300,000	50,000	50,000	804,000	
Conduit 5 Prelim Design	0	0	0	0	0	0	300,000	300,000	
Conduit 5 Right-Of-Way	0	20,000	21,000	20,000	20,000	20,000	20,000	101,000	
Conduit Cathodic Protection	0	0	109,000	100,000	100,000	100,000	100,000	509,000	
Conduit Maintenance	ongoing	450,000	108,000	200,000	200,000	300,000	400,000	1,208,000	
Conduit Trestles Improvements	1,124,812	3,200,000	2,313,000	2,600,000	2,000,000	1,000,000	0	7,913,000	
Open Reservoir Deferred Maint	733,868	4,505,000	2,635,000	1,500,000	1,500,000	1,500,000	1,500,000	8,635,000	
Open Reservoir Interim Security	157,511	0	2,523,000	1,500,000	0	0	0	4,023,000	
Powell Butte Reservoir #2	0	0	0	0	0	0	200,000	200,000	
Powell Butte Reservoir Seismic	0	300,000	0	0	0	100,000	250,000	350,000	
Sandy River Conduit Relocation	2,091,592	800,000	484,000	1,500,000	5,000,000	3,000,000	1,000,000	10,984,000	
Willamette River Crossing	0	415,000	0	100,000	100,000	300,000	1,800,000	2,300,000	
Total Transmission & Terminal Storage	4,107,783	9,690,000	8,297,000	7,820,000	9,220,000	6,370,000	5,620,000	37,327,000	
Total Water Bureau	\$ 15,564,331	\$ 49,497,000	\$ 42,411,500	\$ 44,822,000	\$ 49,653,000	\$ 43,116,000	\$ 44,373,000	\$224,375,500	

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Distribution

Bulk Water Use Management

Total Project Cost: 515,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Efficiency

Project Description

The City permits contractors, businesses, and other customers to take water directly from any one of the over 16,000 hydrants in the city. Access to the hydrants is operated on an honor system. Annual permit holders are billed based on estimated consumption. Concerns about the present program include unaccounted water losses, poor water quality, improper hydrant use, and security issues including possible deliberate contamination of water supplies. In FY 2006-07, preliminary work will be completed, including design criteria and site selection for the establishment of a pilot bulk water filling station. The station will be constructed in subsequent years. Anticipated benefits are reductions in hydrant repair and maintenance costs, minimization of cross-connections (and consequently fewer water quality complaints), better management of water needs, and reduction of administrative costs. Reduction in hydrant repairs helps the bureau meet the effectiveness measure for reliability of hydrants.

Funding Sources

Discretionary Rev - One-Time	44,904	50,000	21,000	200,000	200,000	0	0	421,000
Total Funding Sources	44,904	50,000	21,000	200,000	200,000	0	0	421,000

Expenditures

Personal Services			20,485					
Internal Materials & Services			515					
Total Expenditures	44,904	50,000	21,000	200,000	200,000	0	0	421,000
Operating & Maintenance Costs			0	200	300	400	400	1,300

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Bureau of Env Services Projects

Total Project Cost: Ongoing **Area:** Central City
Dollars for Art: 0 **Objective(s):** Mandate

Project Description

This project provides for the relocation and adjustment of water facilities to accommodate storm drainage and sewer pipelines constructed by the Bureau of Environmental Services (BES). Many FY 2006-07 projects are in response to the work associated with the Combined Sewer Overflow (CSO) program. Projects can also include work done at the Water Bureau's discretion to improve the water system in coordination with BES. BES may reimburse a portion of the cost to adjust the water system based on the age of the existing water facility.

Funding Sources

Environmental Services		236,000	130,000	300,000	300,000	300,000	300,000	1,330,000
Total Funding Sources	ongoing	236,000	130,000	300,000	300,000	300,000	300,000	1,330,000

Expenditures

Personal Services			86,846					
External Materials & Services			36,099					
Internal Materials & Services			7,055					
Total Expenditures	ongoing	236,000	130,000	300,000	300,000	300,000	300,000	1,330,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Burlingame Svc Area Imp Group

Total Project Cost: 760,000 **Area:** Southwest
Dollars for Art: 0 **Objective(s):** Replacement

Project Description

This project provides for design and construction of pumping and piping improvements to the Burlingame service area. FY 2006-07 funding allows for design of new intertie piping and upgrades to the Fulton Pump Station as recommended by a current planning study for the area. Planning will begin in FY 2010-11 for construction of additional storage and, if required, piping and control modifications to existing storage facilities and removal of unusable storage facilities in the Burlingame Service Area. These improvements will help the bureau meet the effectiveness measures for supply pressure and volume.

Funding Sources

Discretionary Rev - One-Time	0	0	100,000	535,000	100,000	0	25,000	760,000
Total Funding Sources	0	0	100,000	535,000	100,000	0	25,000	760,000

Expenditures

Personal Services			49,474					
External Materials & Services			49,636					
Internal Materials & Services			890					
Total Expenditures	0	0	100,000	535,000	100,000	0	25,000	760,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Council Crest Storage Improve

Total Project Cost: 15,000 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Expansion

Project Description

This project consists of an evaluation of the Council Crest service area for compliance with the bureau's storage criteria. It will address the effectiveness measures for supply pressure and volume.

Funding Sources

Discretionary Rev - One-Time	0	0	0	0	0	15,000	0	15,000
Total Funding Sources	0	0	0	0	0	15,000	0	15,000

Expenditures

Total Expenditures	0	0	0	0	0	15,000	0	15,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Distribution Mains Program								
			Total Project Cost:		Ongoing		Area:	All Areas
			Dollars for Art:		0		Objective(s):	Replacement
Project Description								
Approximately six miles of new and replacement mains will be installed during FY 2006-07 to support the rehabilitation and replacement of galvanized mains, expansion due to private land developments, increasing supply for fire protection, improving water quality, and water system upgrades due to local improvement districts and street improvements. Water main replacements also include appurtenances such as fire hydrants, valves, pressure regulators, and service branches. This program insures minimal disruption to customers. One of the program's objectives is replacement of the leaky galvanized and steel pipes within 10 years, as these pipes have a higher incidence of leakage than those constructed from other materials. Another objective is to upsize mains in annexed areas to provide adequate supply for fire protection. Continuing housing development in the Portland area also requires water system improvements, including new installations and upsizing existing infrastructure. Additionally, the Distribution Master Plan will identify key areas of the distribution system that need improvements, and further prioritize areas of work.								
Funding Sources								
Contribution		500,000	0	500,000	500,000	500,000	500,000	2,000,000
Discretionary Rev - One-Time		6,320,000	4,792,000	5,400,000	6,400,000	6,400,000	6,400,000	29,392,000
Total Funding Sources	ongoing	6,820,000	4,792,000	5,900,000	6,900,000	6,900,000	6,900,000	31,392,000
Expenditures								
Personal Services			3,084,502					
External Materials & Services			34,908					
Internal Materials & Services			1,013,399					
Minor Capital Outlay			659,191					
Total Expenditures	ongoing	6,820,000	4,792,000	5,900,000	6,900,000	6,900,000	6,900,000	31,392,000
Operating & Maintenance Costs			(100)	(200)	(300)	(400)	(500)	(1,500)

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Electrical Code Compliance								
			Total Project Cost:		361,000		Area:	All Areas
			Dollars for Art:		0		Objective(s):	Maintenance
Project Description								
The Water Bureau will update its electrical systems in compliance with City code and other requirements. The work will provide for electrical circuit coordination, reducing widespread outages caused by local minor short circuits, and provide for employee safety and protection from electrical arc flashes. Electrical hazard surveys will be performed at 10-12 locations. This project will help ensure adequate and reliable volume and pressure for customers. It supports the Pump Stations/Tanks effectiveness measures by protecting a series of pumps from failing if a single pump has an over-current failure. The project also relates to the Employee Investment effectiveness measures in that it could potentially reduce injuries from electrical arc flashes.								
Funding Sources								
Discretionary Rev - One-Time	36,686	0	126,000	100,000	0	0	0	226,000
Total Funding Sources	36,686	0	126,000	100,000	0	0	0	226,000
Expenditures								
Personal Services			51,020					
External Materials & Services			66,369					
Internal Materials & Services			8,611					
Total Expenditures	36,686	0	126,000	100,000	0	0	0	226,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Equipment Purchases								
			Total Project Cost:		Ongoing			Area: All Areas
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
This project funds equipment purchases with a unit cost in excess of \$5,000 and an expected operational life of one year or more. Purchases of heavy construction equipment, such as dump trucks and backhoes, comprise a significant portion of the budget. Computer software with a unit cost in excess of \$5,000 is also included here.								
Funding Sources								
Discretionary Rev - One-Time		2,922,000	4,121,000	3,000,000	3,000,000	3,000,000	3,000,000	16,121,000
Total Funding Sources	ongoing	2,922,000	4,121,000	3,000,000	3,000,000	3,000,000	3,000,000	16,121,000
Expenditures								
Minor Capital Outlay			4,121,000					
Total Expenditures	ongoing	2,922,000	4,121,000	3,000,000	3,000,000	3,000,000	3,000,000	16,121,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Hydrant Replacement								
			Total Project Cost:		Ongoing			Area: All Areas
			Dollars for Art:		0			Objective(s): Replacement
Project Description								
The bureau maintains about 16,000 fire hydrants. This program provides for the replacement of fire hydrants that are no longer repairable. Replacements may also occur as part of the bureau's ongoing efforts to standardize hydrant types for more efficient maintenance and repair. In the next year the project will replace about 130 hydrants, approximately 50 of which are out of service, and 80 that are obsolete. This project supports reliable hydrant operations and minimizes the number of hydrants out of service.								
Funding Sources								
Discretionary Rev - One-Time		1,000,000	573,000	500,000	500,000	750,000	750,000	3,073,000
Total Funding Sources	ongoing	1,000,000	573,000	500,000	500,000	750,000	750,000	3,073,000
Expenditures								
Personal Services			377,261					
External Materials & Services			427					
Internal Materials & Services			195,312					
Total Expenditures	ongoing	1,000,000	573,000	500,000	500,000	750,000	750,000	3,073,000
Operating & Maintenance Costs			(200)	(300)	(400)	(500)	(600)	(2,000)

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Large Meter Replacement				Total Project Cost:	7,026,000			Area: All Areas
				Dollars for Art:	0			Objective(s): Replacement
Project Description								
This project replaces meters larger than one inch, installed prior to 1986. The replacements will occur over the next five years. This project will ensure compliance with current standards for meter accuracy and water service design, and reduce sources of lead from the system by physically removing older meters. In addition, the bureau will install automated meter reading devices and provide non-skid access lids where applicable. The bureau objective is to maintain metering devices to read within 3% of actual values.								
Funding Sources								
Environmental Services	0	525,000	0	525,000	525,000	525,000	525,000	2,100,000
Discretionary Rev - One-Time	478,887	525,000	1,331,000	525,000	525,000	525,000	525,000	3,431,000
Total Funding Sources	478,887	1,050,000	1,331,000	1,050,000	1,050,000	1,050,000	1,050,000	5,531,000
Expenditures								
Personal Services			955,413					
External Materials & Services			119,562					
Internal Materials & Services			256,025					
Total Expenditures	478,887	1,050,000	1,331,000	1,050,000	1,050,000	1,050,000	1,050,000	5,531,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Meter Purchases				Total Project Cost:	Ongoing			Area: All Areas
				Dollars for Art:	0			Objective(s): Replacement
Project Description								
This project funds purchases of new large and small meters. The meter replacement project replaces meters when they no longer register accurately, can no longer be repaired, or are obsolete. Meter purchases also occur when customers purchase a Water Bureau permit for a new water service. The bureau's objective is to maintain metering devices to read within 3% of actual values.								
Funding Sources								
Environmental Services		375,725	0	450,000	450,000	450,000	450,000	1,800,000
Discretionary Rev - One-Time		389,275	900,000	450,000	450,000	450,000	450,000	2,700,000
Total Funding Sources	ongoing	765,000	900,000	900,000	900,000	900,000	900,000	4,500,000
Expenditures								
External Materials & Services			900,000					
Total Expenditures	ongoing	765,000	900,000	900,000	900,000	900,000	900,000	4,500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Microwave/Communications System								
			Total Project Cost:		150,648			
			Dollars for Art:		0			
							Area: East	
							Objective(s): Replacement	
Project Description								
This project will strengthen weak and unsecured communication links between several bureau facilities. Future phases of the project will include the evaluation and upgrade of communications capabilities at remote bureau facilities, such as the Sandy River Station, Lusted Hill, Groundwater Pump Station, and the Powell Butte Reservoir. The project objectives are to improve employee safety at remote facilities and reduce the potential for vandalism. The project will reduce the need for leased phone lines, resulting in substantial cost savings that will offset ongoing maintenance expenses for the microwave system. In addition, the project will provide increased security for the communication, data, and Supervisory Control and Data Acquisition systems.								
Funding Sources								
Discretionary Rev - Ongoing		50,648	0	0	0	0	0	100,000
Total Funding Sources		50,648	0	0	0	0	0	100,000
Expenditures								
Total Expenditures		50,648	0	0	0	0	0	100,000
Operating & Maintenance Costs				0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
New Water Services								
			Total Project Cost:		Ongoing			
			Dollars for Art:		0			
							Area: All Areas	
							Objective(s): Expansion	
Project Description								
This project provides for installation of about 1,000 new water service connections annually and other changes to existing water services. The project provides for construction of new water services requested by customers for new development as well as redevelopment. The requesting customers reimburse the Water Bureau for the cost of new services.								
Funding Sources								
Public Works/Utility Charge		1,800,000	0	2,080,000	2,080,000	2,080,000	2,080,000	8,320,000
Discretionary Rev - One-Time		280,000	2,355,000	0	0	0	0	2,355,000
Total Funding Sources	ongoing	2,080,000	2,355,000	2,080,000	2,080,000	2,080,000	2,080,000	10,675,000
Expenditures								
Personal Services			1,246,870					
External Materials & Services			323,822					
Internal Materials & Services			784,308					
Total Expenditures	ongoing	2,080,000	2,355,000	2,080,000	2,080,000	2,080,000	2,080,000	10,675,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

NW Hills Service Area Imp. Group

Total Project Cost: 5,220,000 **Area:** Northwest
Dollars for Art: 0 **Objective(s):** Replacement

Project Description

This project provides for the planning, design, and construction of several projects to improve supply and reliability in the Northwest Hills. A planning study currently underway will identify specific projects. Project areas of concern include the Forest Park (Low) Reservoirs, Forest Park (Low) Supply Main, Burnside Pump Station, Greenleaf Reservoir #3, and the Greenleaf Pump Station Replacement. FY 2006-07 work will include design of the Forest Park (Low) Reservoirs, Forest Park Supply Main, and Burnside Pump Station. Subsequent years will focus on Greenleaf site improvements. These improvements will help the bureau meet the effectiveness measures for supply pressure and volume.

Funding Sources

Discretionary Rev - One-Time	0	470,000	277,000	436,000	1,087,000	925,000	2,025,000	4,750,000
Total Funding Sources	0	470,000	277,000	436,000	1,087,000	925,000	2,025,000	4,750,000

Expenditures

Personal Services			238,763					
External Materials & Services			32,865					
Internal Materials & Services			5,372					
Total Expenditures	0	470,000	277,000	436,000	1,087,000	925,000	2,025,000	4,750,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

ODOT Water Line Adjust Projects

Total Project Cost: Ongoing **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Mandate

Project Description

This project provides for the relocation and adjustment of water facilities within state rights-of-way to accommodate Oregon Department of Transportation (ODOT) projects. The work includes relocation of water facilities due to roadway configuration changes, pavement overlays, and bridge improvements. Reimbursement is expected for the work performed under this program. This program can also include work done at the Water Bureau's discretion to improve the water system. Key Projects for FY 2006-2007: MLK/Grand Viaduct, East Columbia to Lombard Connector, SW/NW Naito Parkway, SE Hawthorne Blvd. 20th to 55th Ave. Street Improvement.

Funding Sources

Federal Grants Fund		405,000	405,000	405,000	405,000	405,000	405,000	2,025,000
Discretionary Rev - One-Time		270,000	272,500	270,000	270,000	270,000	270,000	1,352,500
Total Funding Sources	ongoing	675,000	677,500	675,000	675,000	675,000	675,000	3,377,500

Expenditures

Personal Services			391,839					
External Materials & Services			69,300					
Internal Materials & Services			34,928					
Minor Capital Outlay			181,433					
Total Expenditures	ongoing	675,000	677,500	675,000	675,000	675,000	675,000	3,377,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised	Adopted	Capital Plan				5-Year Total
		FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
PDOT Water Line Adjust Projects				Total Project Cost:		Ongoing	Area: Central City	
				Dollars for Art:		0	Objective(s): Mandate	
Project Description								
This project provides for the relocation and adjustment of water facilities in City streets and roads to accommodate several City transportation projects managed by the Portland Office of Transportation (PDOT). These transportation projects include improvements to streets, bridges, ramps, overpasses, streetcar and light rail projects, and local improvement districts (LIDs). This program can also include work done at the Water Bureau's discretion to improve the water system. PDOT reimburses a portion of the costs based on the age of the existing water facility. The bureau's share of these relocation costs is funded through the utility relocation project. Key projects planned for FY 2006-07: Transit Mall (5th & 6th Ave) LRT Adjustments, South Corridor (I-205) Light Rail Adjustments, RiverPlace Streetcar, Harrison Connector Streetcar, New Columbia (Hope VI), NE 33rd Drive over Columbia Slough.								
Funding Sources								
Office of Transportation		509,675	173,611	200,000	375,000	375,000	375,000	1,498,611
Federal Grants Fund		3,500,000	3,150,000	2,000,000	0	0	0	5,150,000
Discretionary Rev - One-Time		6,880,325	4,220,389	1,800,000	125,000	125,000	125,000	6,395,389
Total Funding Sources	ongoing	10,890,000	7,544,000	4,000,000	500,000	500,000	500,000	13,044,000
Expenditures								
Personal Services			1,802,345					
External Materials & Services			964,500					
Internal Materials & Services			415,895					
Minor Capital Outlay			4,361,260					
Total Expenditures	ongoing	10,890,000	7,544,000	4,000,000	500,000	500,000	500,000	13,044,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised	Adopted	Capital Plan				5-Year Total
		FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Powell Butte Supply Sys Bypass				Total Project Cost:		5,081,000	Area: Southeast	
				Dollars for Art:		0	Objective(s): Efficiency	
Project Description								
This project includes planning, design, and construction of improvements needed to operate the water system without the Powell Butte Reservoir in service. The Powell Butte Reservoir will need to be taken out of service from time to time for maintenance and is vulnerable to a number of natural hazards. A number of operational problems would develop with the Powell Butte Reservoir out of service, including the ability to supply Rockwood, the City of Gresham, and the Washington County Supply Line. The project may include a bypass pipeline and other improvements to address these operational issues for both short and long durations. Such a bypass would allow supply flexibility, reduce vulnerability, and provide a means to take Powell Butte Reservoir #1 off line for seismic retrofit. Planning will occur in FY 2006-07 and FY 2007-08.								
Funding Sources								
Discretionary Rev - One-Time		0	0	31,000	50,000	1,000,000	1,000,000	3,000,000
Total Funding Sources		0	0	31,000	50,000	1,000,000	1,000,000	3,000,000
Expenditures								
Personal Services			28,977					
External Materials & Services			1,823					
Internal Materials & Services			200					
Total Expenditures		0	0	31,000	50,000	1,000,000	1,000,000	3,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Pump & Control Maintenance

Total Project Cost: 1,056,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project provides for pump and motor repairs and replacements, pump station piping modifications, and electrical system improvements. It also provides for emergency repair and replacement of pumps, motors, and other station equipment. FY 2006-07 work items include replacement of 10 or more motor control centers, conversion of three or more pumping plants to vertical turbines, and eight emergency standby generators. This project will help ensure adequate and reliable water supply through the many pump stations.

Funding Sources

Discretionary Rev - One-Time	52,827	0	203,000	200,000	200,000	200,000	200,000	1,003,000
Total Funding Sources	52,827	0	203,000	200,000	200,000	200,000	200,000	1,003,000

Expenditures

Personal Services			130,129					
External Materials & Services			59,427					
Internal Materials & Services			13,444					
Total Expenditures	52,827	0	203,000	200,000	200,000	200,000	200,000	1,003,000

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Regulator Maintenance

Total Project Cost: 869,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project provides for maintenance or replacement needs of existing pressure regulator facilities. There are 270 regulator stations, with about 640 pressure regulators. This project includes replacing pressure regulators that are no longer repairable. Replacements may also occur as part of the Water Bureau's ongoing efforts to standardize regulator types in order to maintain stable water distribution system pressure and enhance maintenance and repair efficiencies. This work includes modifications or replacement of underground vaults to meet current safety and regulatory requirements. This program provides consistent service pressure at the customer meter.

Funding Sources

Discretionary Rev - One-Time	0	200,000	69,000	150,000	150,000	150,000	150,000	669,000
Total Funding Sources	0	200,000	69,000	150,000	150,000	150,000	150,000	669,000

Expenditures

Personal Services			14,676					
External Materials & Services			52,385					
Internal Materials & Services			1,939					
Total Expenditures	0	200,000	69,000	150,000	150,000	150,000	150,000	669,000

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

SCADA Improvements Group

Total Project Cost: 3,468,000 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Replacement

Project Description

The central water system control and monitoring system is maintained and enhanced through this program. The Bureau's Supervisory Control and Data Acquisition (SCADA) system is linked with remote telemetry units installed in pump stations, tanks, valves, and other sites throughout the water system via telephone, microwave, and radio communications. This program supports the water system's operational reliability and efficiency by ensuring that a dependable SCADA system and communications network are maintained. A key focus of this project will be to replace the remote telemetry units at over 140 remote sites. The existing units are over 15 years old and are becoming obsolete. The servers are at the end of their service cycle and must also be replaced. The polling component of the SCADA software package will also be upgraded.

Funding Sources

Discretionary Rev - One-Time	393,597	785,000	489,000	450,000	450,000	450,000	450,000	2,289,000
Total Funding Sources	393,597	785,000	489,000	450,000	450,000	450,000	450,000	2,289,000

Expenditures

Personal Services			370,686					
External Materials & Services			93,036					
Internal Materials & Services			25,278					
Total Expenditures	393,597	785,000	489,000	450,000	450,000	450,000	450,000	2,289,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Storage Tank Maintenance

Total Project Cost: Ongoing **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project provides for maintenance and upgrades to the bureau's 79 existing tanks. The program funds rehabilitation and improvements to tanks that are seismically unstable, undersized, structurally inadequate, need repainting, or need improvements to ladder safety systems or confined space entry systems. Projects included in FY 2006-07 include completion of Marigold Tank safety improvements, design and construction of safety improvements to the Burlingame Tanks, exterior painting of selected tanks, additional fall restraint systems, and selected interior tank coating improvements. These projects will help to ensure that adequate pressure and volume are available to customers.

Funding Sources

Discretionary Rev - One-Time		500,000	401,000	400,000	400,000	400,000	400,000	2,001,000
Total Funding Sources	ongoing	500,000	401,000	400,000	400,000	400,000	400,000	2,001,000

Expenditures

Personal Services			136,918					
External Materials & Services			99,314					
Internal Materials & Services			14,768					
Minor Capital Outlay			150,000					
Total Expenditures	ongoing	500,000	401,000	400,000	400,000	400,000	400,000	2,001,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10		FY 2010-11
Transmission Mains Program								
			Total Project Cost:		Ongoing		Area: All Areas	
			Dollars for Art:		0		Objective(s): Replacement	
Project Description								
This ongoing project constructs new and replacement transmission pipelines to provide adequate and reliable quantities of water to distribution pressure zones and storage tanks throughout the bureau's service area. The program maintains the backbone of the transmission pipeline network. Some of the pipelines in this program are new to supply areas that currently have insufficient supply or have been annexed. Other pipelines will include those needed to meet growing demand or changing demographics. The program also includes maintenance to prevent corrosive deterioration and to replace key valves and related equipment. System priorities and project costs and benefits are used to assess needs and address deficiencies. Specific projects identified for FY 2006-07 include the Summerplace and Corbett transmission pipelines. This project helps provide sufficient flow and delivery of water to customers.								
Funding Sources								
Discretionary Rev - One-Time		1,552,000	1,614,000	2,700,000	900,000	900,000	900,000	7,014,000
Total Funding Sources	ongoing	1,552,000	1,614,000	2,700,000	900,000	900,000	900,000	7,014,000
Expenditures								
Personal Services			938,691					
External Materials & Services			74,900					
Internal Materials & Services			63,198					
Minor Capital Outlay			537,211					
Total Expenditures	ongoing	1,552,000	1,614,000	2,700,000	900,000	900,000	900,000	7,014,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10		FY 2010-11
Upper Linnton Tank								
			Total Project Cost:		593,000		Area: Northwest	
			Dollars for Art:		0		Objective(s): Maintenance	
Project Description								
This distribution storage tank located in Forest Park was constructed in 1913, is leaking badly, and has limited access. The tank's supply area has had problems with low chlorine residuals and low pressure complaints. This project consists of design (FY 2006-07) and construction (FY 2007-08) of an alternative to the tank that would meet system needs. The alternative will meet the effectiveness measures for water supply and pressure for the area.								
Funding Sources								
Discretionary Rev - One-Time	0	0	93,000	500,000	0	0	0	593,000
Total Funding Sources	0	0	93,000	500,000	0	0	0	593,000
Expenditures								
Personal Services			74,840					
External Materials & Services			16,800					
Internal Materials & Services			1,360					
Total Expenditures	0	0	93,000	500,000	0	0	0	593,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised	Adopted	Capital Plan				5-Year Total
		FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Utility Line Relocations								
				Total Project Cost:		Ongoing		Area: All Areas
				Dollars for Art:		0		Objective(s): Replacement
Project Description								
This ongoing project modifies Water Bureau facilities that are associated with, or necessary as a result of, PDOT and ODOT transportation projects and BES sewer improvement projects. These funds are for that portion of water system improvement costs that are not covered by reimbursements from other agencies.								
Funding Sources								
Discretionary Rev - One-Time		1,000,000	100,000	500,000	500,000	500,000	500,000	2,100,000
Total Funding Sources	ongoing	1,000,000	100,000	500,000	500,000	500,000	500,000	2,100,000
Expenditures								
Minor Capital Outlay			100,000					
Total Expenditures	ongoing	1,000,000	100,000	500,000	500,000	500,000	500,000	2,100,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Prior Years	Revised	Adopted	Capital Plan				5-Year Total
		FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Valve Replacements								
				Total Project Cost:		Ongoing		Area: All Areas
				Dollars for Art:				Objective(s): Maintenance
Project Description								
This project reduces the areas affected during shutdowns by providing more reliable control of water when repairing leaks by reducing the number of non-operational valves and regulators. For FY 2006-07, about 15 large diameter valves are planned for replacement. The bureau plans to increase the annual number replaced to between 50 and 100 through the five-year CIP. Small valves are replaced when they are found to be inoperable. Approximately 50 small valves will be replaced during the 2006-07 fiscal year.								
Funding Sources								
Discretionary Rev - One-Time		0	873,000	802,000	802,000	1,302,000	1,302,000	5,081,000
Total Funding Sources	ongoing	0	873,000	802,000	802,000	1,302,000	1,302,000	5,081,000
Expenditures								
Personal Services			475,748					
External Materials & Services			311,266					
Internal Materials & Services			85,986					
Total Expenditures	ongoing	0	873,000	802,000	802,000	1,302,000	1,302,000	5,081,000
Operating & Maintenance Costs			(100)	(125)	(150)	(175)	(200)	(750)

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Water Tank Overflow Improvements

Total Project Cost: 363,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project will evaluate discharges at all tanks, recommend construction projects, and perform maintenance/construction at selected tank sites. It is driven by drinking water and environmental regulatory compliance issues. The Oregon Department of Human Services recently completed a Sanitary Survey which outlined compliance deficiencies with drain/overflow lines from some of the tanks. Also, some of the tanks have potential erosion control issues with drain/overflow discharges. The FY 2006-07 budget includes evaluation of the discharges of all tanks and reservoirs, to provide a list of recommended upgrades to critical storage facilities. These projects will help ensure adequate and reliable volume and pressure for customers.

Funding Sources

Discretionary Rev - One-Time	0	0	63,000	100,000	100,000	100,000	0	363,000
Total Funding Sources	0	0	63,000	100,000	100,000	100,000	0	363,000

Expenditures

Personal Services			32,912					
External Materials & Services			27,664					
Internal Materials & Services			2,424					
Total Expenditures	0	0	63,000	100,000	100,000	100,000	0	363,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Wholesale Meters Maint & Rehab

Total Project Cost: Ongoing **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Efficiency

Project Description

This project provides for rehabilitation and replacement of meters for wholesale customers. Wholesale customers purchase about 40% of the water supplied by Portland. This customer class is separated from the retail customer class to properly allocate cost. Consumption is measured through these meters, hence accuracy and reliability are important. Work under this program for FY 2006-07 will include assessment and rehabilitation or replacement of approximately five wholesale meters and appurtenances. This project ensures that meters will read within 3% of actual values.

Funding Sources

Discretionary Rev - One-Time		0	91,000	100,000	100,000	100,000	100,000	491,000
Total Funding Sources	ongoing	0	91,000	100,000	100,000	100,000	100,000	491,000

Expenditures

Personal Services			54,296					
External Materials & Services			29,026					
Internal Materials & Services			7,678					
Total Expenditures	ongoing	0	91,000	100,000	100,000	100,000	100,000	491,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Willamette Heights Tank Analysis

Total Project Cost: 777,000 **Area:** Northwest
Dollars for Art: 0 **Objective(s):** Replacement

Project Description

This distribution storage tank located in Forest Park was constructed in 1906 and has inadequate access. The tank's supply area has had problems with low chlorine residuals and low pressure complaints. The tank is also vulnerable as it is fed from a single supply pipeline. This project consists of design (FY 2006-07) and construction (FY 2007-08) of an alternative to the tank that would meet system needs. The alternative will meet the effectiveness measures for water supply and pressure for the area.

Funding Sources

Discretionary Rev - One-Time	12,388	0	65,000	700,000	0	0	0	765,000
Total Funding Sources	12,388	0	65,000	700,000	0	0	0	765,000

Expenditures

Personal Services			58,849					
External Materials & Services			4,463					
Internal Materials & Services			1,688					
Total Expenditures	12,388	0	65,000	700,000	0	0	0	765,000
Operating & Maintenance Costs			0	0	200	200	200	600

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Regulatory Compliance

Bull Run Dam 2 Tower Improvements

Total Project Cost: 10,571,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project includes the study, design, and construction of modifications to the intake towers at Bull Run Reservoir 2 to provide for selective withdrawal from various levels within the reservoir, to allow the towers to operate properly during flood conditions, to screen the intakes, and to enable the towers to better withstand seismic loadings. The proposed improvements will provide greater flexibility and control of reservoir operations, with related benefits to water quality, fish habitat, operator safety, and system reliability. Design and permitting of the improvements will begin in FY 2006-07.

Funding Sources

Discretionary Rev - One-Time	0	0	191,000	600,000	4,760,000	2,860,000	2,160,000	10,571,000
Total Funding Sources	0	0	191,000	600,000	4,760,000	2,860,000	2,160,000	10,571,000

Expenditures

Personal Services			81,375					
External Materials & Services			107,607					
Internal Materials & Services			2,018					
Total Expenditures	0	0	191,000	600,000	4,760,000	2,860,000	2,160,000	10,571,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Contaminant Monitors

Total Project Cost: 275,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

The objective of this project is to establish a system-wide online contaminant monitoring system. Specifically, this project is to evaluate, select, purchase, locate, and install real-time, online monitoring equipment at critical points within the supply and distribution system. This work also includes linking the new monitoring equipment to the existing SCADA system and creating a means of evaluating the data obtained, to detect and report contamination incidents.

Funding Sources

Discretionary Rev - One-Time	0	0	175,000	0	50,000	0	50,000	275,000
Total Funding Sources	0	0	175,000	0	50,000	0	50,000	275,000

Expenditures

Personal Services			95,978					
External Materials & Services			13,022					
Internal Materials & Services			6,000					
Minor Capital Outlay			60,000					
Total Expenditures	0	0	175,000	0	50,000	0	50,000	275,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

ESA Compliance Capital

Total Project Cost: 1,750,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Mandate

Project Description

This project will support implementation of the agreements that are being negotiated in the habitat conservation plan as part of the bureau's effort to bring the Bull Run water system into compliance with the federal Endangered Species Act and Clean Water Act. The funds currently allocated represent an estimated amount rather than the final settlement, so funding levels may be modified in future years based on final negotiations.

Funding Sources

Discretionary Rev - One-Time	0	250,000	0	500,000	500,000	500,000	0	1,500,000
Total Funding Sources	0	250,000	0	500,000	500,000	500,000	0	1,500,000

Expenditures

Total Expenditures	0	250,000	0	500,000	500,000	500,000	0	1,500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Facilities Improvement Group								
			Total Project Cost:		5,865,000			Area: All Areas
			Dollars for Art:		0			Objective(s): Efficiency
Project Description								
This project includes several connected projects related to the Bull Run water supply, at Bull Run Headworks and the Lusted Hill facility. Modifications that are currently planned to be completed under this project for FY 2006-07 include replacing the chlorine liquid and gas piping at Headworks, modifying the existing chlorine control systems, and repairing the deficiencies in the scrubber ventilation systems at both Lusted Hill and Headworks. System control and communication improvements will be addressed at both sites. The modifications will help ensure public health and employee safety through improved treatment processes, hazardous materials handling, and control. Future budget years will address laboratory facilities and process control improvements.								
Funding Sources								
Discretionary Rev - One-Time	152,637	250,000	265,000	450,000	1,250,000	1,250,000	2,250,000	5,465,000
Total Funding Sources	152,637	250,000	265,000	450,000	1,250,000	1,250,000	2,250,000	5,465,000
Expenditures								
Personal Services			79,284					
External Materials & Services			179,653					
Internal Materials & Services			6,063					
Total Expenditures	152,637	250,000	265,000	450,000	1,250,000	1,250,000	2,250,000	5,465,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Regulatory Assistance								
			Total Project Cost:		410,000			Area: All Areas
			Dollars for Art:		0			Objective(s): Efficiency
Project Description								
This project funds specialized environmental legal assistance that may be required to help the City with new rules being promulgated by the US Environmental Protection Agency. This assistance will augment services provided by the City Attorney's office.								
Funding Sources								
Discretionary Rev - Ongoing	0	0	260,000	150,000	0	0	0	410,000
Total Funding Sources	0	0	260,000	150,000	0	0	0	410,000
Expenditures								
Personal Services			7,809					
External Materials & Services			252,191					
Total Expenditures	0	0	260,000	150,000	0	0	0	410,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Regulatory Compliance Studies

Total Project Cost: Ongoing
Dollars for Art: 0
Area: All Areas
Objective(s): Mandate

Project Description

The Water Bureau regularly conducts regulatory compliance studies to confirm the City's compliance with drinking water regulations. The studies address control of microbial contaminants and disinfection byproducts, as well as implementation of existing surface water treatment regulations. Projects will include studies to meet the Federal Groundwater Rule and Stage 2 Disinfection By-Products Rule.

Funding Sources

Public Works/Utility Charge		0	0	0	0	0	0	0
Discretionary Rev - Ongoing		50,000	51,000	125,000	125,000	125,000	125,000	551,000
Total Funding Sources	ongoing	50,000	51,000	125,000	125,000	125,000	125,000	551,000

Expenditures

Personal Services			17,139					
External Materials & Services			33,510					
Internal Materials & Services			351					
Total Expenditures	ongoing	50,000	51,000	125,000	125,000	125,000	125,000	551,000

Operating & Maintenance Costs

		0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Water Quality Sampling Stations

Total Project Cost: 854,000
Dollars for Art: 0
Area: All Areas
Objective(s): Efficiency

Project Description

Standardized water quality sampling stations and chlorine residual analyzers will continue to be installed throughout the distribution system to monitor water quality and chlorine residual. These facilities also allow the Water Bureau to more readily identify potential water quality problems and their sources. The more accurate and reliable water quality data will be used to improve water system operation and design.

Funding Sources

Discretionary Rev - One-Time	644,740	75,000	84,000	0	25,000	0	25,000	134,000
Total Funding Sources	644,740	75,000	84,000	0	25,000	0	25,000	134,000

Expenditures

Personal Services			77,192					
External Materials & Services			1,496					
Internal Materials & Services			5,312					
Total Expenditures	644,740	75,000	84,000	0	25,000	0	25,000	134,000

Operating & Maintenance Costs

		0	1,500	1,500	2,000	2,000	7,000
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Transmission & Terminal Storage

Bull Run Bridge Maintenance

Total Project Cost: 804,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project encompasses the inspection, maintenance, and repair of major conduit bridges and minor conduit spans in the area between Gresham and the Headworks facility at Bull Run. For FY 2006-07, this will include preliminary design work for the Conduit 3 Sandy River Crossing Bridge. Future work will include final design and construction of the structural strengthening improvements. This project supports the Conduit Repair & Rehabilitation effort.

Funding Sources

Discretionary Rev - One-Time	0	0	104,000	300,000	300,000	50,000	50,000	804,000
Total Funding Sources	0	0	104,000	300,000	300,000	50,000	50,000	804,000

Expenditures

Personal Services			47,628					
External Materials & Services			5,000					
Internal Materials & Services			1,419					
Minor Capital Outlay			49,953					
Total Expenditures	0	0	104,000	300,000	300,000	50,000	50,000	804,000

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Conduit 5 Prelim Design

Total Project Cost: 300,000 **Area:** East
Dollars for Art: 0 **Objective(s):** Expansion

Project Description

Conduit 5 is a proposed 96-inch to 120-inch diameter conduit approximately 23 miles in length, extending from the Bull Run Watershed to water storage facilities on Powell Butte. The conduit is planned to have a capacity of about 250 million gallons per day, about equal to the capacity of the three existing conduits. Once constructed, Conduit 5 could replace Conduits 2 and 3, and provide additional peak flow capacity. Preliminary engineering work is scheduled for FY 2010-11. This project will help the bureau meet the effectiveness measures of adequate flow and limited vulnerability.

Funding Sources

Discretionary Rev - One-Time	0	0	0	0	0	0	300,000	300,000
Total Funding Sources	0	0	0	0	0	0	300,000	300,000

Expenditures

Total Expenditures	0	0	0	0	0	0	300,000	300,000
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Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total

Conduit 5 Right-Of-Way

Total Project Cost: 121,000 **Area:** East
Dollars for Art: 0 **Objective(s):** Efficiency

Project Description

This project provides for reviewing the proposed route of Conduit 5 and updating the necessary easements and rights-of-way required for the project. The project is a future investment that will help the bureau meet the effectiveness measures of adequate flow and limited vulnerability.

Funding Sources

Discretionary Rev - One-Time	0	20,000	21,000	20,000	20,000	20,000	20,000	101,000
Total Funding Sources	0	20,000	21,000	20,000	20,000	20,000	20,000	101,000

Expenditures

Personal Services			1,404					
External Materials & Services			796					
Internal Materials & Services			100					
Minor Capital Outlay			18,700					
Total Expenditures	0	20,000	21,000	20,000	20,000	20,000	20,000	101,000

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total

Conduit Cathodic Protection

Total Project Cost: 509,000 **Area:** East
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

The bureau owns three large-diameter steel pipelines that convey water from the Bull Run River to Powell Butte and Mt. Tabor. The pipelines are protected from exterior corrosion by cathodic protection systems installed in the 1980s. These stations are located in areas where the pipelines are most susceptible to corrosion from the soil. This project allows the bureau to renew the existing cathodic protection systems and extend cathodic protection the full length of the three Bull Run pipelines. About 10 of the system rectifiers are planned to be replaced this year. Corrosion protection is expected to minimize any further deterioration of the conduit, and to correspondingly increase its useful life.

Funding Sources

Discretionary Rev - One-Time	0	0	109,000	100,000	100,000	100,000	100,000	509,000
Total Funding Sources	0	0	109,000	100,000	100,000	100,000	100,000	509,000

Expenditures

Personal Services			74,603					
External Materials & Services			26,329					
Internal Materials & Services			8,068					
Total Expenditures	0	0	109,000	100,000	100,000	100,000	100,000	509,000

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Conduit Maintenance					Total Project Cost:	Ongoing	Area:	East
					Dollars for Art:	0	Objective(s):	Maintenance
Project Description								
This program provides for the maintenance, rehabilitation, and protection of the three conduits that deliver water from Headworks to Powell Butte. Current work includes upgrade and maintenance of the existing conduit air/vacuum valves, installation of new air/vacuum valves, and access improvements to the conduits and other appurtenances. Built in 1911, 1925, and 1953, the conduits require a significant level of ongoing repair and rehabilitation. These capitalized maintenance and repair projects protect the bureau's investments in its facilities, reduce vulnerability and operating costs, and improve access.								
Funding Sources								
Discretionary Rev - One-Time		450,000	108,000	200,000	200,000	300,000	400,000	1,208,000
Total Funding Sources	ongoing	450,000	108,000	200,000	200,000	300,000	400,000	1,208,000
Expenditures								
Personal Services			86,958					
External Materials & Services			9,207					
Internal Materials & Services			6,835					
Minor Capital Outlay			5,000					
Total Expenditures	ongoing	450,000	108,000	200,000	200,000	300,000	400,000	1,208,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Conduit Trestles Improvements					Total Project Cost:	12,238,000	Area:	All Areas
					Dollars for Art:	0	Objective(s):	Maintenance
Project Description								
Conduits 2, 3, and 4 and their related structures are critical elements of Portland's water system and the primary supply line from the Bull Run Watershed to the city. The September 2000 System Vulnerability Assessment Study recommended work to reduce the vulnerability of the conduits to multi-hazard risk from various natural and man-made causes, including earthquakes, landslide, flooding, and operational error. This work involves multi-phase projects over the course of 10 to 20 years to increase the bureau's system reliability. Work in FY 2006-07 and 2007-08 will address five of the most vulnerable sections. Two of the sections are eligible for up to \$3.0 million of federal disaster mitigation funding to offset some of the project costs.								
Funding Sources								
Discretionary Rev - One-Time	1,124,812	3,200,000	813,000	1,100,000	2,000,000	1,000,000	0	4,913,000
Other Miscellaneous	0	0	1,500,000	1,500,000	0	0	0	3,000,000
Total Funding Sources	1,124,812	3,200,000	2,313,000	2,600,000	2,000,000	1,000,000	0	7,913,000
Expenditures								
Personal Services			51,760					
External Materials & Services			50,000					
Internal Materials & Services			2,951					
Minor Capital Outlay			2,208,289					
Total Expenditures	1,124,812	3,200,000	2,313,000	2,600,000	2,000,000	1,000,000	0	7,913,000
Operating & Maintenance Costs			0	0	0	0	100	100

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Open Reservoir Deferred Maint

Total Project Cost: 13,873,000 **Area:** Southeast
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project is in accordance with Council Resolution #36237, which requires implementing deferred maintenance improvements at the Washington Park and Mt. Tabor Reservoir sites. Work in FY 2006-07 will primarily be at Mt. Tabor and includes installing piping, pressure-reducing valves and a vault at SE 60th and Lincoln, retrofitting new valve actuators on existing valves, and installing new isolation valves and vaults for conduits 2 & 4. This project also includes sidewalk repairs at all reservoirs and replacement of gates at Reservoir 5 and SE Lincoln St. The project will help ensure continued reliability of storage at the open reservoirs.

Funding Sources

Discretionary Rev - One-Time	733,868	4,505,000	2,635,000	1,500,000	1,500,000	1,500,000	1,500,000	8,635,000
Total Funding Sources	733,868	4,505,000	2,635,000	1,500,000	1,500,000	1,500,000	1,500,000	8,635,000

Expenditures

Personal Services			194,996					
External Materials & Services			150,000					
Internal Materials & Services			922,730					
Minor Capital Outlay			1,367,274					
Total Expenditures	733,868	4,505,000	2,635,000	1,500,000	1,500,000	1,500,000	1,500,000	8,635,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Open Reservoir Interim Security

Total Project Cost: 4,181,000 **Area:** Southeast
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project is in accordance with Council Resolution #36237, which requires improvements to security monitoring at the Washington Park and Mt. Tabor Reservoir sites. This implements security goals including reducing risks of contamination and improving response time, and is consistent with recommendations of the Security Vulnerability Assessment. Work for FY 2006-07 will primarily be at Mt. Tabor to upgrade surveillance and monitoring equipment both around the site and inside critical buildings and facilities. Included are cameras, motion sensors, card readers, alarms, lighting, and Gate House 5 improvements. In addition, online baseline water quality monitoring will be installed at key points at both sites. The project will help ensure continued reliability of storage at the open reservoirs.

Funding Sources

Discretionary Rev - One-Time	157,511	0	2,523,000	1,500,000	0	0	0	4,023,000
Total Funding Sources	157,511	0	2,523,000	1,500,000	0	0	0	4,023,000

Expenditures

Personal Services			279,381					
External Materials & Services			1,000,000					
Internal Materials & Services			16,348					
Minor Capital Outlay			1,227,271					
Total Expenditures	157,511	0	2,523,000	1,500,000	0	0	0	4,023,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Powell Butte Reservoir #2								
			Total Project Cost:		200,000			
			Dollars for Art:		0			
							Area: Southeast	
							Objective(s): Expansion	
Project Description								
This project provides for the development of additional storage, piping, drainage, and other site amenities on Powell Butte. The Water Bureau has recently completed a Conditional Use Master Plan for the area that includes a buried 50 million gallon reservoir as well as a number of additional site improvements. Construction of the reservoir will reduce the system's dependence on the 100-year old reservoirs at Mt. Tabor and Washington Park. The reservoir will also resolve concerns regarding reliability, water quality, seismic stability, and public safety at the site.								
Funding Sources								
Discretionary Rev - One-Time	0	0	0	0	0	0	200,000	200,000
Total Funding Sources	0	0	0	0	0	0	200,000	200,000
Expenditures								
Total Expenditures	0	0	0	0	0	0	200,000	200,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Powell Butte Reservoir Seismic								
			Total Project Cost:		650,000			
			Dollars for Art:		0			
							Area: Southeast	
							Objective(s): Expansion	
Project Description								
This project is to assess the needs and the costs of a seismic upgrade to Powell Butte Reservoir #1, an overflow piping system, and an emergency bypass connection to the Washington County Supply Line. Construction of additional storage at Powell Butte has been deferred.								
Funding Sources								
Discretionary Rev - One-Time	0	300,000	0	0	0	100,000	250,000	350,000
Total Funding Sources	0	300,000	0	0	0	100,000	250,000	350,000
Expenditures								
Total Expenditures	0	300,000	0	0	0	100,000	250,000	350,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Sandy River Conduit Relocation								
			Total Project Cost:		13,876,000			
			Dollars for Art:		0			
							Area: All Areas	
							Objective(s): Replacement	
Project Description								
This project will relocate the conduit crossings at the Sandy River near Dodge Park. These conduits were identified in the system vulnerability study as vulnerable to seismic, volcanic, flooding, and other natural and man-made hazards. A feasibility study and preliminary engineering assessment have been completed. Phase I will replace the Conduit 2/4 bridge structure with a tunnel under the river. Design work for this tunnel will begin in FY 2006-07. Phase II, beyond the current five year CIP, will eventually replace the Conduit 3 crossing. These projects reduce the vulnerability of the river crossing and help ensure the reliability of the Bull Run Supply.								
Funding Sources								
Discretionary Rev - One-Time	2,091,592	800,000	484,000	1,500,000	5,000,000	3,000,000	1,000,000	10,984,000
Total Funding Sources	2,091,592	800,000	484,000	1,500,000	5,000,000	3,000,000	1,000,000	10,984,000
Expenditures								
Personal Services			278,347					
External Materials & Services			198,200					
Internal Materials & Services			7,453					
Total Expenditures	2,091,592	800,000	484,000	1,500,000	5,000,000	3,000,000	1,000,000	10,984,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Willamette River Crossing

Total Project Cost: 2,715,000 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Expansion

Project Description

The project provides for the replacement of major pipelines to strengthen the transmission link between Powell Butte and the service areas west of the Willamette River, including downtown and the storage reservoirs at Washington Park. The existing pipelines are vulnerable to a number of hazards including earthquakes and erosion due to their age, condition, and original design. Proposed transportation and rail projects on the West Side also conflict with the existing supply mains. The project will include construction of a new seismically-strengthened river crossing to replace one or two of the existing Willamette River crossings. Additional work may include replacement of the Sellwood Crossing and pipeline sections in areas that have soils that may liquefy in an earthquake, construction of additional infrastructure along the western bank of the Willamette River, and numerous emergency and backup connections and interties so sections of pipelines can be removed from service. Funding in FY 2007-08, FY 2008-09, and FY 2009-10 is for planning and preliminary engineering. Design would begin in FY 2010-11. The project will help the bureau meet the effectiveness measure of providing adequate flow and reducing vulnerabilities.

Funding Sources

Discretionary Rev - One-Time	0	415,000	0	100,000	100,000	300,000	1,800,000	2,300,000
Total Funding Sources	0	415,000	0	100,000	100,000	300,000	1,800,000	2,300,000

Expenditures

Total Expenditures	0	415,000	0	100,000	100,000	300,000	1,800,000	2,300,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Customer Service

Critical Facilities Group

Total Project Cost: 2,964,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

Security upgrades in response to the Security Vulnerability Assessment will include physical security improvements to major and smaller facilities and improved security in the overall water distribution system and control/communications system.

Funding Sources

Discretionary Rev - One-Time	1,886,451	575,000	103,000	100,000	100,000	100,000	100,000	503,000
Total Funding Sources	1,886,451	575,000	103,000	100,000	100,000	100,000	100,000	503,000

Expenditures

Personal Services			40,341					
Internal Materials & Services			2,378					
Minor Capital Outlay			60,281					
Total Expenditures	1,886,451	575,000	103,000	100,000	100,000	100,000	100,000	503,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Dodge Park Master Plan								
			Total Project Cost:		693,000		Area:	All Areas
			Dollars for Art:		0		Objective(s):	Efficiency
Project Description								
The Water Bureau owns land at the confluence of the Bull Run and Sandy rivers near where Conduits 2, 3, and 4 cross the Sandy River. In FY 2006-07, a master plan will be developed for use of the property, which encompasses Dodge Park, Conduits 2 and 4, and the bureau's adjacent maintenance facilities. Issues such as recreational access, neighborhood character, public information, and visual resources will be considered. In addition, the Bureau of Land Management has recommended information displays at Dodge, Oxbow, and Dabney parks that will be considered as part of the project. The master plan will address law enforcement needs at the site, trespass/hazard warning signs, facility maintenance and upgrades, alternative park management arrangements, and visitor management, together with the bureau's long-term potential uses for City-owned land in and around Dodge Park. Construction of selected improvements will occur once the master plan is completed, although some short-term improvements may be installed during preparation of the plan. Additionally, repair of vandalized restroom and other needed upgrades will occur. This project helps meet the effectiveness measure for developing and enhancing property for public use.								
Funding Sources								
Discretionary Rev - One-Time	0	70,000	123,000	250,000	250,000	0	0	623,000
Total Funding Sources	0	70,000	123,000	250,000	250,000	0	0	623,000
Expenditures								
Personal Services			19,398					
External Materials & Services			103,001					
Internal Materials & Services			601					
Total Expenditures	0	70,000	123,000	250,000	250,000	0	0	623,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Fountains Improvements Group								
			Total Project Cost:		Ongoing		Area:	Central City
			Dollars for Art:		0		Objective(s):	Maintenance
Project Description								
This project provides for ongoing repair and maintenance of the bureau's 27 existing decorative fountains to ensure their continued reliable and efficient operation. Planned work for FY 2006-07 includes upsizing the water supply line to the Harrison Street Fountain, refurbishing the Reflecting Pond/Dreamer Fountain, installing SCADA for the Salmon Springs Fountain, and refurbishing the Pioneer Courthouse Square Fountain.								
Funding Sources								
Discretionary Rev - One-Time		205,000	212,000	209,000	209,000	209,000	209,000	1,048,000
Total Funding Sources	ongoing	205,000	212,000	209,000	209,000	209,000	209,000	1,048,000
Expenditures								
Personal Services			53,102					
External Materials & Services			26,193					
Internal Materials & Services			8,705					
Minor Capital Outlay			124,000					
Total Expenditures	ongoing	205,000	212,000	209,000	209,000	209,000	209,000	1,048,000
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Water Bureau

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Powell Butte Maintenance

Total Project Cost: 1,234,000 **Area:** East
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project provides for the ongoing maintenance of the bureau's Powell Butte property. Over the next few years, work will primarily focus on storm drainage and addressing the nonconforming use issues noted in the July 2003 Powell Butte Conditional Use Master Plan (CUMP). Specific work planned for FY 2006-07 includes storm drainage upgrades, improving the pedestrian path from SE 162nd to the parking lot, additional bike parking, meadow vegetation, ADA improvements, and an updated traffic impact study. Implementation of obligations outlined in the CUMP will protect the site for future water system use and improvements.

Funding Sources

Discretionary Rev - One-Time	28,262	0	207,000	300,000	300,000	200,000	200,000	1,207,000
Total Funding Sources	28,262	0	207,000	300,000	300,000	200,000	200,000	1,207,000

Expenditures

Personal Services			69,492					
Internal Materials & Services			4,944					
Minor Capital Outlay			132,564					
Total Expenditures	28,262	0	207,000	300,000	300,000	200,000	200,000	1,207,000

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Supply

108-inch Pipeline

Total Project Cost: 1,000,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project provides for the inspection and maintenance of the 108-inch diameter pipe and its appurtenances, between the headgates at the diversion pool below Bull Run Dam No. 2 and the forebay at Screenhouse No. 3. This also includes the piping from the pressure-reducing valve on the South Tower conduit to its connection to the 108-inch pipe. This piping has been in service since the 1950s with no major inspections or integrity assessments. Screenhouse No. 3 will serve as the critical backup system to the primary intake of the City's water supply conduits, once that facility goes on line in 2006. Inspection and pre-design work for any repairs identified will begin in FY 2007-08.

Funding Sources

Discretionary Rev - One-Time	0	0	0	200,000	600,000	200,000	0	1,000,000
Total Funding Sources	0	0	0	200,000	600,000	200,000	0	1,000,000

Expenditures

Total Expenditures	0	0	0	200,000	600,000	200,000	0	1,000,000
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Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised		Adopted		Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Bull Run Dam 1 Outlet Improvements					Total Project Cost:	713,000			Area: All Areas
					Dollars for Art:	0			Objective(s): Maintenance
Project Description									
This project will address deficiencies at the Dam 1 outlet works identified in a 2003 assessment. Components include needle valve inspection, sluice gate repairs and replacement, spillway chute repairs, and spillway gate bottom seal repair. The FY 2006-07 budget will provide for initial design and construction.									
Funding Sources									
Discretionary Rev - One-Time	0	0	113,000	150,000	150,000	150,000	150,000	150,000	713,000
Total Funding Sources	0	0	113,000	150,000	150,000	150,000	150,000	150,000	713,000
Expenditures									
Personal Services			80,811						
External Materials & Services			30,324						
Internal Materials & Services			1,865						
Total Expenditures	0	0	113,000	150,000	150,000	150,000	150,000	150,000	713,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted		Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Bull Run Dam 2 Stilling Pool					Total Project Cost:	1,520,000			Area: All Areas
					Dollars for Art:	0			Objective(s): Maintenance
Project Description									
In April 2005, URS Corporation completed a preliminary engineering report assessing the Bull Run Dam #2 Stilling Basin. The report concluded that the existing rock-filled weir would likely fail during a major flood event, and that failure of the weir would likely jeopardize Conduits 2 and 4, with the potential for impacting Conduit 3 as well. A preferred alternative has been selected to mitigate this situation, and includes an upstream concrete weir to allow for pool drainage and maintenance; construction of a raised, reinforced weir to reduce the risk of failure; installation of a 36" pipe through the rock weir; and improvement of the Walker Creek culvert. This alternative improves the integrity of the stilling pool system, provides for future maintenance access, allows for efficient transfer of cold water released from Dam 2 past the plunge pool, and creates additional habitat for fish on Walker Creek. The FY 2006-07 budget will allow permitting and initial engineering design work to proceed, followed by final design and construction in future years.									
Funding Sources									
Discretionary Rev - One-Time	163,303	0	107,000	350,000	800,000	100,000	0	0	1,357,000
Total Funding Sources	163,303	0	107,000	350,000	800,000	100,000	0	0	1,357,000
Expenditures									
Personal Services			51,192						
External Materials & Services			54,436						
Internal Materials & Services			1,372						
Total Expenditures	163,303	0	107,000	350,000	800,000	100,000	0	0	1,357,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Bull Run Dams Maintenance								
			Total Project Cost:	64,459				
			Dollars for Art:	0				
							Area: All Areas	
							Objective(s): Maintenance	
Project Description								
The bureau owns two large dams in the Bull Run watershed, several smaller dams and weirs, and all facilities associated with the Headworks. The water stored behind these dams is the main source of the city's water. This project provides for routine capital maintenance to protect the long-term integrity of the dams. Projects include repairs to concrete, coatings, valves, spillways, and other features.								
Funding Sources								
Discretionary Rev - One-Time	14,459	0	0	0	0	0	50,000	50,000
Total Funding Sources	14,459	0	0	0	0	0	50,000	50,000
Expenditures								
Total Expenditures	14,459	0	0	0	0	0	50,000	50,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Bull Run Lake Cabins								
			Total Project Cost:	175,000				
			Dollars for Art:	0				
							Area: All Areas	
							Objective(s): Maintenance	
Project Description								
This project provides for restoration of one of three log cabins at Bull Run Lake that were originally constructed between 1917 and 1921. The cabins are owned by the Water Bureau but are located on National Forest land and managed under the terms of a 20-year special use easement. The U.S. Forest Service has filed documentation to make the structures eligible for listing on the National Register. The south cabin was significantly damaged in December 2004 by a tree and is the highest priority for repair and restoration. Work on the remaining two cabins will depend on the availability of funds.								
Funding Sources								
Discretionary Rev - One-Time	0	0	175,000	0	0	0	0	175,000
Total Funding Sources	0	0	175,000	0	0	0	0	175,000
Expenditures								
Personal Services			69,746					
External Materials & Services			84,265					
Internal Materials & Services			20,989					
Total Expenditures	0	0	175,000	0	0	0	0	175,000
Operating & Maintenance Costs			0	0	0	300	300	600

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Bull Run Lake Discharge								
			Total Project Cost:	550,000				
			Dollars for Art:	0				
							Area: All Areas	
							Objective(s): Efficiency	
Project Description								
This project provides for the inspection and maintenance of the Bull Run Lake discharge piping system and its appurtenances. This pumped discharge was installed in 1997 to allow the City to draw cold water from the lake to supplement the summer water supply from the watershed. This is a critical source during drought conditions. A full underwater inspection and a maintenance operation of the pumping system will be undertaken in FY 2007-08, with identified repairs to follow in FY 2008-09 and FY 2009-10.								
Funding Sources								
Discretionary Rev - One-Time	0	0	0	50,000	200,000	250,000	50,000	550,000
Total Funding Sources	0	0	0	50,000	200,000	250,000	50,000	550,000
Expenditures								
Total Expenditures	0	0	0	50,000	200,000	250,000	50,000	550,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Bull Run Seismic					Total Project Cost:	361,000			Area: All Areas
					Dollars for Art:	0			Objective(s): Mandate
Project Description									
This project reduces seismic vulnerability by maintaining seismic monitoring devices and evaluating other related needs of Bull Run facilities, thereby reducing the vulnerability of the overall water system. The primary focus is on Bull Run supply facilities' vulnerability to disruption resulting from natural and man-caused hazards identified in the System Vulnerability Assessment, but also addresses other system-wide vulnerabilities.									
Funding Sources									
Discretionary Rev - One-Time	259,012	0	32,000	70,000	0	0	0	102,000	
Total Funding Sources	259,012	0	32,000	70,000	0	0	0	102,000	
Expenditures									
Personal Services			9,144						
External Materials & Services			22,656						
Internal Materials & Services			200						
Total Expenditures	259,012	0	32,000	70,000	0	0	0	102,000	
Operating & Maintenance Costs			0	0	100	100	100	300	

	Revised		Adopted		Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Bull Run Watershed Maintenance					Total Project Cost:	Ongoing			Area: All Areas
					Dollars for Art:	0			Objective(s): Maintenance
Project Description									
This project allocates funds for the capital projects necessary to maintain, improve, and protect the Bull Run Watershed and facilities that are not directly related to the water supply system facilities. This includes Bull Run Watershed road maintenance to ensure continuous, reliable, and safe access to all facilities, and maintenance of other City-owned infrastructure within the watershed. The funds budgeted for FY 2006-07 provide for improvements to approximately 2,400 feet of the main access road (S-10) to the Bull Run Headworks. This project begins near the Larson's intertie site, and ends approximately 2,400 feet to the east.									
Funding Sources									
Discretionary Rev - One-Time		500,000	304,000	500,000	500,000	500,000	500,000	2,304,000	
Total Funding Sources	ongoing	500,000	304,000	500,000	500,000	500,000	500,000	2,304,000	
Expenditures									
Personal Services			36,923						
External Materials & Services			10,000						
Internal Materials & Services			2,436						
Minor Capital Outlay			254,641						
Total Expenditures	ongoing	500,000	304,000	500,000	500,000	500,000	500,000	2,304,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Forest Service/City Land Exchange

Total Project Cost: 1,434,000 **Area:** East
Dollars for Art: 0 **Objective(s):** Efficiency

Project Description

This project funds environmental surveys, appraisals, public involvement, National Environmental Policy Act documentation, Forest Service Collection Agreements, and interagency negotiations for a possible exchange of selected tracts of City and U.S. Forest Service land in the Bull Run Watershed. The exchange would involve approximately 2,500 acres of City land and 2,800 acres of federal land. The Forest Service/City land exchange would allow the City to acquire complete ownership of the land below and adjacent to Reservoir 1, Reservoir 2, and the conduits, and will provide greater certainty on issues associated with maintenance and operation of the Bull Run supply system.

Funding Sources

Discretionary Rev - One-Time	362,639	350,000	111,000	325,000	200,000	85,000	0	721,000
Total Funding Sources	362,639	350,000	111,000	325,000	200,000	85,000	0	721,000

Expenditures

Personal Services			25,287					
External Materials & Services			85,468					
Internal Materials & Services			245					
Total Expenditures	362,639	350,000	111,000	325,000	200,000	85,000	0	721,000

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Groundwater Remediation

Total Project Cost: 5,306,100 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

Investigation and remediation of groundwater contamination is anticipated to continue at various sites in and near the City's Columbia South Shore Wellfield (CSSW) through the next decade. As in previous years, the budget assumes that responsible parties and the Oregon Department of Environmental Quality (DEQ) will fund and conduct the majority of the work, and that a consultant will assist the bureau in performing oversight and review of work done by or submitted to DEQ. This project concentrates on locations where past land use practices impacted groundwater resources in or near the CSSW, where clean-up is possible or likely to be required by DEQ. Work includes a flow model for the Troutdale Aquifer system that will be used for predictive modeling of potential impacts of the remediation sites and possible future contamination sites, and review and evaluation of progress at the remediation sites. This project supports the groundwater effectiveness measure: zero contamination of groundwater aquifers near City well fields.

Funding Sources

Discretionary Rev - Ongoing	5,202,107	0	104,000	0	0	0	0	104,000
Total Funding Sources	5,202,107	0	104,000	0	0	0	0	104,000

Expenditures

Personal Services			20,100					
External Materials & Services			83,564					
Internal Materials & Services			336					
Total Expenditures	5,202,107	0	104,000	0	0	0	0	104,000

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Groundwater Vulnerability Group			Total Project Cost:		5,195,000				
			Dollars for Art:		0				
							Area: Northeast		
							Objective(s): Replacement		
Project Description									
This project includes planning, design, and construction work to reduce the vulnerability of the Columbia South Shore Well Field. This includes reducing electrical vulnerability for the pumping system, reviewing the flood inundation vulnerability of the site, and developing a groundwater intertie that would reduce transmission system vulnerability. The inundation review may be partially completed through a partnership with the Multnomah County Drainage District. FY 2006-07 focuses primarily on planning work with some initial design efforts. This project will reduce vulnerability in the groundwater system to meet the effectiveness measure for supply during emergencies.									
Funding Sources									
Discretionary Rev - One-Time	0	0	145,000	2,000,000	3,050,000	0	0	0	5,195,000
Total Funding Sources	0	0	145,000	2,000,000	3,050,000	0	0	0	5,195,000
Expenditures									
Personal Services			114,084						
External Materials & Services			28,369						
Internal Materials & Services			2,547						
Total Expenditures	0	0	145,000	2,000,000	3,050,000	0	0	0	5,195,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Groundwater Well Piping Imp			Total Project Cost:		1,000,000				
			Dollars for Art:		0				
							Area: Northeast		
							Objective(s): Expansion		
Project Description									
This project includes installing pump-to-waste (Columbia River outfall) collection mains for the five Blue Lake Aquifer wells. Currently, the wells pump only into the Groundwater Pump Station. The ability to pump to waste is desirable because it would allow flushing of the wells for rehabilitation and cleaning, and would allow pumping a small amount of water to waste at the start of each pumping cycle. In addition, Well 17 has manganese above the secondary drinking water limit. To keep the manganese-rich groundwater in the vicinity of Well 17, it is proposed to pump Well 17 to waste whenever nearby wells are operating. This project supports the Groundwater effectiveness measures including providing for average winter demand in response to a turbidity event, providing for emergency backup supply, and zero contamination of groundwater aquifers near City well fields.									
Funding Sources									
Discretionary Rev - One-Time	0	0	0	250,000	250,000	250,000	250,000	0	1,000,000
Total Funding Sources	0	0	0	250,000	250,000	250,000	250,000	0	1,000,000
Expenditures									
Total Expenditures	0	0	0	250,000	250,000	250,000	250,000	0	1,000,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Major Well Rehabilitation Group					Total Project Cost:	Ongoing	Area:	All Areas
					Dollars for Art:	0	Objective(s):	Maintenance, Replacement
Project Description								
This ongoing project provides for rehabilitation and improvements to the Water Bureau's Columbia South Shore Well Field, which is the backup and peak season alternative water supply for the City and its wholesale customers. The project has a capital maintenance component, including pump and motor overhauls, well testing and redevelopment, pump station upgrades, and wellhead upgrades. The maintenance work addresses well pump and motor upkeep for two to three wells per year, rotating through the entire well field every 10 to 15 years.								
Funding Sources								
Discretionary Rev - One-Time		2,970,000	517,000	495,000	495,000	495,000	495,000	2,497,000
Total Funding Sources	ongoing	2,970,000	517,000	495,000	495,000	495,000	495,000	2,497,000
Expenditures								
Personal Services			179,784					
External Materials & Services			158,300					
Internal Materials & Services			17,454					
Minor Capital Outlay			161,462					
Total Expenditures	ongoing	2,970,000	517,000	495,000	495,000	495,000	495,000	2,497,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Small Wells					Total Project Cost:	81,000	Area:	All Areas
					Dollars for Art:	0	Objective(s):	Maintenance
Project Description								
This project provides funding to evaluate the feasibility and best strategy for integrating the existing Powell Valley Road Water District (PVRWD) wells into the Portland water system. The former PVRWD (now consolidated with the Portland Water Bureau) had two well fields. The newer well field, Vivian, has chlorination facilities and room in existing buildings to add ammonia facilities. The Vivian field may be a viable backup or local supply, with about six million gallons per day of production. Other small wells will be evaluated to determine if they have use as local emergency backup, specialized water supplies such as irrigation, or use in supplying water features. Those with no identified use will be considered for decommissioning by sealing the wells per state regulations. In FY 2006-07, City staff and/or a consultant will evaluate strategies for integrating PVRWD and other wells. If warranted and approved, designs for specific projects will be prepared. This project may increase capacity of the groundwater supply, and help provide for average winter demand in response to a turbidity event and for emergency back-up supply.								
Funding Sources								
Discretionary Rev - Ongoing	0	0	31,000	0	0	0	50,000	81,000
Total Funding Sources	0	0	31,000	0	0	0	50,000	81,000
Expenditures								
Personal Services			27,451					
External Materials & Services			2,912					
Internal Materials & Services			637					
Total Expenditures	0	0	31,000	0	0	0	50,000	81,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Well 38 Pump & Site Improvements				Total Project Cost:	551,000			Area: Northeast
				Dollars for Art:	0			Objective(s): Expansion
Project Description								
This project completes improvements to Well 38. Work includes the construction of a well house, piping, pump, motor, electrical, controls, security fencing, landscaping, and related improvements to ready the well for production when the Columbia South Shore Well Field is operated. This project supports groundwater effectiveness measures including providing for average winter demand in response to a turbidity event and providing for emergency backup supply.								
Funding Sources								
Discretionary Rev - One-Time	92,783	0	457,000	0	0	0	0	457,000
Total Funding Sources	92,783	0	457,000	0	0	0	0	457,000
Expenditures								
Personal Services			62,092					
External Materials & Services			15,000					
Internal Materials & Services			4,599					
Minor Capital Outlay			375,309					
Total Expenditures	92,783	0	457,000	0	0	0	0	457,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Wellhead Protection Monitoring				Total Project Cost:	Ongoing			Area: All Areas
				Dollars for Art:	0			Objective(s): Maintenance
Project Description								
The FY 2006-07 effort includes outfitting and repairing monitoring wells for the bureau's Columbia South Shore Well Field wellhead protection monitoring network. Few new additional monitoring wells are planned, unless new groundwater contamination sites are discovered. The data from the monitoring wells generally indicates that groundwater quality in the bureau's production wells is very good, although some areas of shallow groundwater contamination (in areas where the shallow groundwater is not currently in use by the City) have been identified and are being investigated further.								
Funding Sources								
Discretionary Rev - One-Time		200,000	147,000	200,000	200,000	200,000	200,000	947,000
Total Funding Sources	ongoing	200,000	147,000	200,000	200,000	200,000	200,000	947,000
Expenditures								
Personal Services			45,143					
External Materials & Services			100,888					
Internal Materials & Services			969					
Total Expenditures	ongoing	200,000	147,000	200,000	200,000	200,000	200,000	947,000
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Water Bureau

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total

West Wellfield Test Wells

Total Project Cost: 280,000 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Expansion

Project Description

This project collects data and provides planning for new wells in the west well field if needed. Early information and planning needs include pilot wells or test wells to evaluate geology, hydrology, and water quality, and access road, piping, and easement alignments. This provides for eventual expansion of the well field to progress toward the long-term capacity goal set for the groundwater source. The need for new wells will be established by demand projections, wholesale contracts, and reliability or capacity problems that may develop with existing wells.

Funding Sources

Discretionary Rev - One-Time	0	0	0	0	0	50,000	230,000	280,000
Total Funding Sources	0	0	0	0	0	50,000	230,000	280,000

Expenditures

Total Expenditures	0	0	0	0	0	50,000	230,000	280,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total

Support

Building Maintenance - General

Total Project Cost: Ongoing **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project provides for capital maintenance of buildings and grounds owned and operated by the Water Bureau. The necessary work involves structural repairs and maintenance of buildings and grounds, including electrical, roofing, paving, and remodeling. This project also addresses repairs due to vandalism, compliance with safety and access regulations, and other related tasks. Work planned for FY 2006-07 will include crane maintenance, replacing roofs on 10 critical facilities, and improvements to a few of the bureau's tank and pump station sites to enable public access or use as public parks. This project will help address deficiencies at bureau facilities and ensure they comply with current building codes.

Funding Sources

Discretionary Rev - Ongoing		0	1,065,000	0	0	0	0	1,065,000
Discretionary Rev - One-Time		100,000	480,000	400,000	400,000	400,000	400,000	2,015,000
Total Funding Sources	ongoing	100,000	1,480,000	400,000	400,000	400,000	400,000	3,080,000

Expenditures

Personal Services			147,509					
External Materials & Services			23,897					
Internal Materials & Services			1,288,094					
Minor Capital Outlay			20,500					
Total Expenditures	ongoing	100,000	1,480,000	400,000	400,000	400,000	400,000	3,080,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Distribution System Master Plan								
				Total Project Cost:		561,000		
				Dollars for Art:		0		
							Area:	All Areas
							Objective(s):	Efficiency
Project Description								
The Distribution System Master Plan evaluates the bureau's distribution facilities and identifies improvements needed through the year 2030. The focus of the project is the distribution backbone system: the large-diameter pipelines (approximately 300 miles), 32 pump stations, and 64 tanks that distribute water from Powell Butte Reservoirs to the terminal storage at the Mt. Tabor and Washington Park reservoirs, and from Mt. Tabor and Washington Park to service areas in the distribution system. This work will recommend service goals, prioritization of projects, hydraulic model upgrades, condition assessments, and asset management activities. Completion of this project will also assist the bureau in meeting Oregon Administrative Rule requirements for public water systems, and will address the recommendations in the August 2004 Water Distribution System report from the City Auditor. This project meets the effectiveness measure for ensuring adequate supply.								
Funding Sources								
Discretionary Rev - One-Time	60,276	0	500,000	0	0	0	0	500,000
Total Funding Sources	60,276	0	500,000	0	0	0	0	500,000
Expenditures								
Personal Services			86,421					
External Materials & Services			411,329					
Internal Materials & Services			2,250					
Total Expenditures	60,276	0	500,000	0	0	0	0	500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Distribution System Planning								
				Total Project Cost:		Ongoing		
				Dollars for Art:		0		
							Area:	All Areas
							Objective(s):	Expansion
Project Description								
Distribution system improvement projects will be generated from the Distribution System Master Plan project. These may include upgrades or expansions of existing tanks and pump stations, new supply and transmission lines, or possibly a new tank and pump station facilities. This project will provide preliminary engineering work to define design and construction needs for the identified facilities after the Distribution System Master Plan is completed. This project will address the effectiveness measure of ensuring adequate supply to customers.								
Funding Sources								
Discretionary Rev - Ongoing		0	54,000	50,000	50,000	50,000	50,000	254,000
Total Funding Sources	ongoing	0	54,000	50,000	50,000	50,000	50,000	254,000
Expenditures								
Personal Services			52,698					
Internal Materials & Services			1,302					
Total Expenditures	ongoing	0	54,000	50,000	50,000	50,000	50,000	254,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Div 86 Conservation Mgmt Plan

Total Project Cost: 717,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Mandate

Project Description

The Oregon Water Resources Department (WRD) requires that some agricultural and municipal water suppliers prepare Water Management and Conservation Plans (WMCP) in accordance with its Division 86 Rules. Development of the plans involves a step-by-step evaluation of the water supply alternatives available to the supplier, and an evaluation of the role that water conservation can have in meeting the supplier's water needs. In addition, the assessments of conservation measures required for the plans help to ensure that the supplier's use is not wasteful. The plan also creates an opportunity to integrate water conservation in the context of other important considerations about system improvements and source development. The completed plan describes the water system and its needs, identifies its sources of water, and explains how the water supplier will manage and conserve supplies to meet present and future needs. Specific plan elements include descriptions of the water system and water supplier, water conservation measures, and a water curtailment plan that addresses the supplier's response to water shortages. The City's most recent WMCP was approved in 2000 with a renewal/update due in 2005. However, recent WRD rules tie future updates under the new rules to the filing for water right permit extensions, which the City recently completed for its Columbia South Shore Well Field permits. The resulting deadline for completing the updated WMCP is 2007. (The City of Portland's Bull Run statutory right does not trigger the requirement to submit a Division 86 Plan.) Once the updated plan is submitted and approved, Division 86 rules require that it be updated every 10 years.

Funding Sources

Discretionary Rev - Ongoing	0	360,000	357,000	0	0	0	0	357,000
Total Funding Sources	0	360,000	357,000	0	0	0	0	357,000

Expenditures

Personal Services			186,425					
External Materials & Services			158,349					
Internal Materials & Services			12,226					
Total Expenditures	0	360,000	357,000	0	0	0	0	357,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Infrastructure Master Plans

Total Project Cost: 3,614,000 **Area:** All Areas
Dollars for Art: 0 **Objective(s):** Efficiency

Project Description

This project consists of general planning studies for projects that the Water Bureau encounters during operation of the water system. These include pressure zone adjustments, facility modifications, and system element studies. This will allow the Water Bureau to meet the effectiveness measure for ensuring adequate water supply to customers.

Funding Sources

Discretionary Rev - One-Time	1,256,892	857,000	0	375,000	375,000	375,000	375,000	1,500,000
Total Funding Sources	1,256,892	857,000	0	375,000	375,000	375,000	375,000	1,500,000

Expenditures

Total Expenditures	1,256,892	857,000	0	375,000	375,000	375,000	375,000	1,500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	
Interstate Facility Rehab				Total Project Cost:	20,866,000				Area: All Areas
				Dollars for Art:	0				Objective(s): Maintenance, Efficiency
Project Description									
The Water Bureau's System Control Center and Operations and Maintenance Facility, located on North Interstate Avenue, serves as the hub for maintenance and construction crews, vehicles, equipment and materials, and the emergency operations center. This project develops and implements a comprehensive program of reconstruction and improvements that will address seismic and other site vulnerabilities, and bring the facility up to current safety and building codes. The budget for FY 2006-07 will provide for design work for the phased rehabilitation and site reconstruction that addresses seismic and site vulnerabilities as well as emergency operations and security systems. Work also includes final acquisition of the Foundry Building and temporary facilities to allow reconstruction.									
Funding Sources									
Discretionary Rev - One-Time	263,050	2,000,000	703,000	2,500,000	3,700,000	6,200,000	5,500,000	18,603,000	
Total Funding Sources	263,050	2,000,000	703,000	2,500,000	3,700,000	6,200,000	5,500,000	18,603,000	
Expenditures									
Personal Services			26,678						
External Materials & Services			470,000						
Internal Materials & Services			1,218						
Minor Capital Outlay			205,104						
Total Expenditures	236,050	2,000,000	703,000	2,500,000	3,700,000	6,200,000	5,500,000	18,603,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	
System Metering				Total Project Cost:	27,000				Area: All Areas
				Dollars for Art:	0				Objective(s): Maintenance
Project Description									
The Bureau maintains a number of system flow meters for operational control and monitoring. Many of the flow meters do not register accurately and need to be replaced. This program will replace obsolete flow meters and provide needed data for hydraulic modeling and system operations.									
Funding Sources									
Discretionary Rev - Ongoing	0	0	0	0	0	0	27,000	27,000	
Total Funding Sources	0	0	0	0	0	0	27,000	27,000	
Expenditures									
Total Expenditures	0	0	0	0	0	0	27,000	27,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Westside Supply Pipeline

Total Project Cost: 142,000 **Area:** West
Dollars for Art: 0 **Objective(s):** Expansion

Project Description

This project includes analysis, planning, and preliminary engineering for the West Supply Pipeline. This pipeline extends from the river crossings connecting Mt. Tabor and Washington Park reservoirs to pump stations and storage on the west side of the Willamette River. The purpose is to improve reliability and capacity from the central river crossings to Burlingame. The project will implement potential recommendations from the Burlingame Master Plan, Distribution System Master Plan, and Willamette River Crossing Studies. This project meets the effectiveness measure of providing adequate supply to customers.

Funding Sources

Discretionary Rev - Ongoing	0	0	67,000	75,000	0	0	0	142,000
Total Funding Sources	0	0	67,000	75,000	0	0	0	142,000

Expenditures

Personal Services			65,046					
Internal Materials & Services			1,954					
Total Expenditures	0	0	67,000	75,000	0	0	0	142,000
Operating & Maintenance Costs			0	0	0	0	0	0



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Transportation and Parking Service Area

Overview and Financial Tables

BUREAU SUMMARY

Executive Summary

The Office of Transportation's (PDOT) Capital Improvement plan (CIP) includes nearly \$247 million of investment into Portland's internationally renowned transportation infrastructure. Already a leader in transit, bicycle and pedestrian facilities and smart urban planning, Portland's transportation CIP continues to focus on key issues critical to the long-term economic health and livability of the city.

Building on past successes, this CIP includes projects to expand the already highly acclaimed light rail system to add the downtown south-north leg, extend the award-winning streetcar to the east side, and develop transportation facilities such as the tram in the South Waterfront region. PDOT continues to help realize Metro's 2040 plan with village centers and main street developments in Gateway, St Johns, Killingsworth, Sandy Boulevard, Hawthorne, and Burnside. Local streets will be brought up to standard and existing assets rehabilitated, including key bridges such as the MLK viaduct and Foster Road over Johnson Creek. PDOT will also invest in important freight routes to keep goods and services moving, which is the key to sustaining the local economy.

While PDOT's resources are limited, the bureau has leveraged the contributions of several funding partners to focus the investments on those areas that will have the greatest impact on Portland's transportation system. By prioritizing among the many needs according to criteria carefully developed in accordance with City goals and PDOT's strategic plan, this CIP budget represents a balanced, progressive approach toward realizing the vision of a safe, effective, and multi-modal transportation system.

Investment Priorities

PDOT plans to invest almost \$137 million into the City's transportation system in the next five years and leverage an additional \$56 million or more of funds directly spent by its regional partners. While the types of projects vary widely, the following areas stand out as top investment priorities:

Preservation and Rehabilitation

A top capital investment priority is preservation and rehabilitation of the \$5.8 billion in transportation assets. The principal funding sources of this program are federal funds, state funds such as Oregon Transportation Investment Act (OTIA), and general transportation revenue (GTR), PDOT's discretionary funding source. Of these, OTIA is close to allocating the bonds sold to fund transportation improvements and GTR allocation to capital projects has been cut 60% since 1998 due to revenue shortfalls. As a result, preservation and rehabilitation efforts are woefully under funded.

Centers, Main Streets, and Neighborhoods

The Centers and Main Streets program is principally funded by federal grants and development grants from the Portland Development Commission (PDC). These projects implement the vision contained in the Regional Framework Plan adopted through Metro to create pedestrian-friendly urban centers and a more livable city. Another objective is to invest directly in neighborhoods, an important element to developing vital town centers. A third objective is to mitigate neighborhood density. Federal grants with some local match dollars fund the streetcar and light rail extensions while the tram will be financed primarily by private funding.

Economic health

A major focus of this capital plan is to improve the area's economic health, principally through urban renewal and improving freight movement. A significant portion of PDOT's CIP program is urban renewal-oriented, funded by the Portland Development Commission. PDOT plays the role of the service provider, working with funding partners to ensure that the transportation portion of the urban renewal projects is completed properly. The funding for urban renewal comes primarily from tax increment financing. The freight projects address the movement of goods in the region along main arterials. The freight program is funded primarily by state grants (including OTIA III grants), federal grants, and system development charge funds.

Major Funding Sources

Tax Increment Financing

PDC, through tax increment financing, is a major partner in developing and funding (\$11 million) transportation-related projects in PDOT's CIP. PDC funds projects in several capital programs: Centers and Main Streets, Neighborhood Livability, Preservation and Rehabilitation, and Special Projects. PDC-funded projects include the streetcar, South Waterfront, and the 3rd & 4th streetscape projects.

PDC funding, while significant in the next few years, is difficult to predict beyond the specific commitments already made. As a result, PDC funding appears to drop off rapidly after FY 2006-07. PDOT is working with PDC to improve the forecast of PDC funding for future projects.

Federal and State Grants

The Metro Transportation Improvement Program (MTIP) is the regional process for identifying which transportation projects and programs will receive funds from the federal Surface Transportation Program (STP) and Congestion Mitigation/Air Quality (CMAQ) grants. The municipalities in the Portland metropolitan area compete for these funds based on criteria established by the Joint Policy Advisory Committee on Transportation (JPACT) and the Metro Council. PDOT will receive \$27 million from MTIP in this CIP.

The third Oregon Transportation Investment Act which, passed in 2003, raised vehicle registration and other fees to pay for bridge and highway repairs across Oregon. PDOT expects to receive about \$28 million in OTIA grants in this CIP. The funds will be used to repair major arterials and bridges to keep goods and people moving in the city.

*Local Funding Sources***Systems Development Charges (SDC)**

SDC will fund about \$6.5 million in capital projects in FY 2006-07. Developers pay fees to defray the cost of system improvements required in response to new development. SDC funds are collected annually but accounted for separately from other revenues and allocated to qualifying projects as needed.

Strict criteria govern the projects that may use SDC funds. A total of 37 transportation projects have been identified, totaling \$119 million. Of these, 10 are completed, eight are in process, four are planned, and nine will not be built due to the lack of funds. About \$10 million of SDC funds will be spent on projects in this five-year CIP.

Local Improvement Districts

Property owners can join together to form a Local Improvement District (LID) as a means of sharing in the cost of building needed transportation infrastructure. LIDs fund local street improvements that promote public safety, community livability, and enhance property values. About \$12 million of LID funds will be spent on these projects in the FY 2007-11 CIP, about 92% of it in FY 2006-07.

General Transportation Revenues

GTR is PDOT's discretionary revenue. GTR is comprised of two sources: State Highway Trust Fund (mostly gas taxes) and parking meter fees and fines. State Highway Trust Fund monies are constitutionally restricted for use on "construction of roads streets, and roadside rest areas." About half of GTR is used in the CIP to fully fund projects particularly in the Centers and Main Streets, Preservation and Rehabilitation, and Neighborhood Livability programs; the other half is used as match dollars for grants. About \$3.5 million of GTR is allocated to the CIP annually. This is an increase of \$2 million from the previous year, due to the budgeting of a portion of the operating budget of the Street Preservation program to the Paving Preservation program in the CIP. This is needed to fund street reconstruction. About \$1.5 million of GTR in this CIP is carried over from the prior years.

Other Local Funds

Other local funds such as permit fees, General Fund transfers for street lighting, interagency funds, and inter-governmental agreements comprise about \$12.3 million in the CIP funding over this five-year period.

Issues

While this CIP addresses PDOT's top system investment priorities with the prudent application of available funds, concerns persist on both the resource and requirement sides. First, resources are not keeping pace with requirements due to inflation, new requirements, and expiring or uncertain resource streams. Second, the system growth and aging of the infrastructure put continued upward pressure on requirements.

Limited GTR

GTR has been flat in recent years, and this condition is expected to continue, as expenses continue to grow. This will lead to a gap between expenses and revenue in the coming years and will cause a downward pressure on this funding source for CIP. The programs particularly dependent on GTR such as Local Street Development, Neighborhood Livability, Preservation and Rehabilitation, and Safety and Congestion Management are severely impacted by the constraint on GTR.

A second implication is that PDOT's ability to directly invest in the system is increasingly limited. More and more, PDOT's capital plan is directed by the availability of outside funds. This means PDOT is responding to its funding partners' needs rather than directing investment where it is most needed from a system perspective. In order to correct this problem, a new source of discretionary funding is needed.

SDC Expiring

The Transportation SDC, passed by Council in 1997, will expire in July 2007. All currently projected funds are committed to qualifying projects. In order for SDC funding to continue to fund transportation projects, Council must renew the Transportation SDC.

SDC funds, while restricted in their application, are a significant source of matching dollars for grants from funding partners. Thus the SDC leverages significantly more investment than its numbers alone imply.

If Council does not adopt a new SDC, the City will need to choose between replacing it with another funding source, or forgoing the work required to keep up with growth.

OTIA Funding Exhausted

Another major funding source with serious short-term limits is OTIA. OTIA funds, like SDC, are already committed to projects. Once those projects are completed, the funds will be depleted, unless the legislature enacts a new OTIA. Lacking that, this significant source of CIP funds will disappear after FY 2007-08.

Limited General Fund Capital Resources for Streetlights

The Streetlight program, including \$350,000 in capital for replacement, is funded by the General Fund. This figure is far below the sustainable amount for this program; as a result streetlight conditions will deteriorate unless additional funding is provided.

LID Funding

Local street improvements depend on the LID program to provide funding. The LID program, in turn, relies on subsidies - as high as 50% - to make the projects affordable for the affected residents. However, there is no funding available to subsidize new LID. Without a new funding source, the LID program for local streets will be very limited or nonexistent in the near future.

Operations and Maintenance Impact

Existing resources are not adequate to maintain and operate the system sustainably. Maintenance backlogs grow annually under current funding levels.

Some capital investments in this plan (particularly the Preservation and Rehabilitation program) reduce long-term maintenance liabilities, as the assets being developed replace old, high-maintenance assets. Other investments expand the system in response to the demands of growth. As the system expands, the cost of operating and maintaining the system grows, further intensifying fiscal pressures on discretionary revenue. New facilities being built in this CIP will add about \$150,000 per year to annual operations and maintenance costs beginning in FY 2006-07.

To help reduce long-term costs of both new and replaced assets, PDOT has convened a team of asset managers to create a comprehensive, life cycle approach to asset management - one which considers "cradle-to-grave" asset creation, maintenance, and management costs. This will ensure that the right choices are made with respect to materials, methods, and quality throughout an asset's lifecycle.

Capital Backlog

The Transportation Systems Plan (TSP) identified project needs in six areas for the next 20 years and potential funding strategies. Unmet needs, defined as total needs less the amount for which funding has currently been identified, exceed \$400 million during the life of the plan, approximately six times the size of the current capital program.

STRATEGIC DIRECTION

- Council Goals** The projects included in this program are consistent with the City goal to operate and maintain an effective and safe transportation system.

- City Comprehensive Plan** The projects included in this program are consistent with the City of Portland's definition of capital projects. The Capital Improvement plan is also consistent with the Transportation Element of the City of Portland's Comprehensive Plan, the Portland Office of Transportation Charter, and the Office of Transportation Strategic Plan.

- Transportation System Plan** The Transportation System Plan is a 20-year planning document, mandated by the State Transportation Planning Rule. TSP contains over 600 transportation projects for Portland, which address capital improvement needs for all modes of transportation, and is consistent with Metro's 2040 Growth Concept.

 The TSP is the primary document for guiding transportation CIP investments. TSP identifies major improvements and includes a list of significant projects over the next 20 years. The capital projects move from the TSP list to the Transportation Requested CIP budget after thorough evaluation based on policy compliance criteria and identification of funding, and approval of PDOT's Capital Oversight Committee.

- PDOT Strategic Plan** Transportation's strategic plan, completed in June, 2004, outlined a new mission statement, vision, set of goals, and strategies for PDOT. This plan will guide transportation's activities and policies in the coming years to continue to make Portland a place where all residents can pursue opportunities for a high quality of life.

Mission

The Portland Office of Transportation is the steward of the City's transportation system, and a community partner in shaping a livable city. We plan, build, manage, and maintain an effective and safe transportation system that provides access and mobility.

Strategic Objectives

PDOT's strategic plan lays out five specific Strategies for Action for the next five years:

- ◆ *Build and operate the transportation system to last.* PDOT, like many jurisdictions across the country, is working to match the capital investment strategy with a long-term asset management model.
- ◆ *Establish sustainable funding for a sustainable infrastructure.* Looming funding shortages require both revenue enhancement and cost containment.
- ◆ *Deliver projects for people, jobs, and neighborhoods.* Transportation plays an essential role in economically critical areas such as freight mobility, industrial access, and parking management, as well as in stimulating job creation and retail activity. At the same time, PDOT works to support Portland's much-praised livability with its focus on safety and neighborhood projects.
- ◆ *Tell the PDOT story.* PDOT needs to improve its communication with the community as well as with local and state decision makers about "what's at stake" with regard to transportation system funding, economic development, and livability.
- ◆ *Pull together as one organization.* PDOT is working to implement the results of a study completed in 2003 to point the way toward workplace improvement and development.

CAPITAL PLANNING & BUDGETING

CIP Planning Process

Inputs to the Transportation CIP planning process include the TSP, City goals, the 2040 plan, and the POT strategic plan.

The CIP is reviewed by an internal Capital Oversight Committee, the PDOT Directors Team, OMF, and City Council.

Selection Process

Transportation capital projects are developed and received throughout the year from a variety of sources. PDOT also receives requests for capital projects from neighborhoods, businesses, and individuals. These projects are developed through neighborhood plans and studies adopted by City Council. In addition, PDOT partners with other public and private organizations to develop new project ideas that share common transportation goals and values. These projects are compiled in the Transportation System Plan and are scored and ranked based on TSP criteria in accordance with City Council goals, Metro 2040 Growth concept, and PDOT's strategic plan.

Based on the TSP lists, asset and division managers submit projects to PDOT's Capital Oversight Committee (COC) to be included in the CIP request. The COC then reviews the submitted project requests list along with the revenue forecast and develops a balanced five-year CIP. The balanced CIP is then presented to the PDOT Directors Team for approval.

In November, the Directors Team finalized the requested CIP list. The requested CIP is then submitted to the Office of Management and Finance via the bureau's Requested Budget. The City receives additional testimony through the City's budget process.

Information on CIP projects is available on the Internet at [HTTP://WWW.PORTLANDMAPS.COM](http://www.portlandmaps.com) with summary and contact information and contact reference to be viewed from any desktop location. The public is able to review the project's status and even e-mail the appropriate project contact person directly from this web site.

Selection Criteria

Projects included in the Transportation CIP have been evaluated and scored in accordance with established criteria. These criteria will ensure that the projects are consistent with City Council goals and objectives and best serve the citizens of Portland. These criteria are:

- ◆ Support 2040 areas: support a compact urban area through development of high-priority Region 2040 areas.
- ◆ Reduce vehicle mile traveled per capita (VMT): support projects that reduce VMT per capita.
- ◆ Safety: address safety by improving existing deficiencies or hazards for pedestrian crossings, bicycles, and vehicles.
- ◆ Natural environment: utilize good resource management and minimize impacts to natural environment.
- ◆ Access: improve access within the activity centers for all modes of transportation.
- ◆ Economic development: provide and improve access to economic developments.
- ◆ Community support: ensure projects have a high level of community support.
- ◆ Efficient use of resources: maximize efficiency and effectiveness of the system through wise application of financial and human resources.
- ◆ Connectivity: create a high level of connectivity for all modes of transportation, especially in areas where deficiencies exist.
- ◆ Multi-mode and balance: employ an area-wide, multi-modal approach to transportation needs.

Funding Sources

About 74% of PDOT's CIP funding comes from three sources: grants and donations from state, federal, and other outside agencies; contracts with other agencies to perform work on their behalf such as urban renewal and development grants from Portland Development Commission; and interagency agreements with other City bureaus. GTR, SDC, and other sources make up the remaining 26%.

CAPITAL PROGRAMS & PROJECTS

Overview

The Transportation's CIP budget for FY 2007-11 continues to strive to achieve the goals of City Council and to provide diverse transportation modes and alternatives. The total funding request for the five-year CIP plan is \$136.9 million. Of this amount only \$19.7 million (14%) is funded with GTR (including \$1.5 million in prior-year carry-over). The total CIP for the FY 2006-07 is \$71.2 million, of which \$5 million (7%) is funded with GTR. Other funding sources include various federal and state grants, system development charges, permit engineering fees, and other public and private contracts. Principal funding partners include the Oregon Department of Transportation, Portland Development Commission, and Port of Portland.

These totals represent currently committed funds. For some programs, no funds are currently committed beyond FY 2008-09. However, it is anticipated that funding for future projects will be secured and these programs will continue.

Transportation CIP projects are budgeted in seven major programs. These CIP programs have changed slightly from the previous year to be in line with the Transportation System Plan. Below is a list of the current CIP programs. Details of the programs are described below.

- ◆ Centers and Main Streets
- ◆ Freight and Industrial Area
- ◆ Local Street Development
- ◆ Neighborhood Livability
- ◆ Preservation and Rehabilitation
 - ❖ Environmental & Endangered Species Act (ESA)
 - ❖ Signals
 - ❖ Streetlighting
 - ❖ Streets
 - ❖ Structures
 - ❖ Facilities
- ◆ Safety and Congestion Management
- ◆ Special Projects

Centers and Main Streets Program

This program supports high-priority areas of the Regional 2040 growth concept, and requires urban design and integration with adjacent developments. One of the City's goals stemming from Region 2040 is to create higher-density centers of employment and housing. The projects in this program would support centers that provide access to a variety of goods and services in a relatively small geographical area.

FY 2006-07: \$26.3 million

Another objective of this program is to develop main streets. The main streets typically serve the neighborhoods and may develop a regional specialization (such as art, antiques, shopping, fine dining, entertainment, etc.) that attracts people from other parts of the region. The main street projects support a high level of pedestrian and bike amenities and are further supported by the transit links between centers.

The requested five-year plan amounts to \$41 million. The majority of the funding in this program comes from federal and state grants, PDC, and LID. This represents currently committed funds. While no funds are currently committed beyond FY 2008-09, it is anticipated that funding for future projects will be secured and the program will continue. Examples of major projects included in the five-year CIP are:

Sandy Blvd 13th-47th: This project will improve pavement conditions on Sandy Blvd by removing existing asphalt and replacing it with new asphalt. This work will eliminate rutting in the pavement and create curb exposure to aid in stormwater drainage. This project will also improve circulation within the Hollywood District: improve pedestrian crossing opportunities, use curb extensions to calm traffic, enhance transit access, and use access management measures to address confusing intersections. The project design will start with the recommendations of the City's Hollywood Sandy Blvd Plan.

South Waterfront Tram: Design and construct the aerial tram connecting Marquam Hill with the South Waterfront District.

Portland Streetcar, Lowell Extension: The Portland Streetcar Lowell Project will extend the streetcar to the south end of the South Waterfront central district area to better serve residents and employees. It will provide high-quality transit service linking South Waterfront to Portland State University (PSU), the west end of downtown, the Pearl District, and Northwest Portland. Activities in FY 2006-07 will be construction.

Downtown Mall Light Rail (LRT): This project adds a light rail line to SW 5th and SW 6th from SW Glisan to Jackson, extending the transit mall to PSU. The project schedule is to begin construction in summer of 2006. The construction will take place through FY 2008-09. PDOT staff will provide technical assistance to TriMet on traffic, streetscape, access, and other issues; assist with permitting; and provide other support as needed. This project, along with the I-205 LRT project, are jointly considered to be part of the "South" portion of the South-North Light Rail concept. Without the downtown mall segment, the light rail system will not be able to expand due to the limited capacity on the existing cross-mall system.

Portland Streetcar, Eastside Extension: The Portland Streetcar Eastside project will extend the streetcar service to the Lloyd District and the Central Eastside. It will help stimulate and support new high-density, mixed-use development in the Central City east of the Willamette River. The activities in FY 2006-07 will include an environmental analysis as part of the federal National Environmental Protection Act requirements and the start of preliminary engineering. These activities are necessary for transit projects seeking "Small Starts" funding through the Federal Transit Administration of the U.S. Department of Transportation.

Freight & Industrial Area Program

This program supports freight operation in and around the City of Portland.

FY 2006-07: \$14.7 million

The efficient and safe transport of goods is essential to Portland's and the region's economy, and enhances Portland's economic effectiveness as a distribution hub. This program also focuses on maintaining Portland's livability and safety by helping minimize truck impact in neighborhoods. This program provides for economic growth and freight mobility along regional traffic ways.

The five-year total for this program is \$38.6 million. This represents currently committed funds. It is anticipated that funding for future projects will be secured and the program will continue. Some examples of the projects in this program are:

NE Columbia/Killingsworth East Connector: Starting in fall 2005, the project will construct a wider underpass and an at-grade intersection further west from the I-205 interchange. The construction will take two years. The project improves freight mobility by upgrading the connection between Columbia Corridor Industrial Sanctuary and I-205. The project eliminates the existing barrier between regional recreational facilities to the north such as Columbia Slough South Shore Trail and Johnson Lake, and the adjacent neighborhood to the south by adding two pedestrian and bicycle connections under the existing elevated railroad tracks. This project also improves livability by providing signalized access to the adjacent neighborhood and school, paving an existing unimproved street, and reducing congestion.

Lombard: Columbia Slough Overcrossing: The purpose of this project is to retain a crucial freight connection between Terminal 5 and industrial businesses in the Rivergate district that depends upon heavy freight movement via the project bridge. This project will strengthen the bridge to an increased capacity of 105,500 lbs. The total budget for the design and construction of this project is \$2.2 million.

Leadbetter RR Overcrossing: The purpose of the N. Leadbetter Road Railroad Grade Separation Crossing is to eliminate conflicts between unit trains and vehicular traffic to 142 acres of industrial development. The design and construction of a new bridge will separate vehicular freight and employee traffic from two (one existing and a second proposed) rail tracks. The total budgeted amount is \$10.8 million; however, one of the first items of work will be the preparation of an updated cost estimate. The funding for this project comes from a mix of federal, state, and port funds.

**Local Street
Development Program**

This program includes projects that build out the local street network through the provision of new infrastructure and improve existing rights-of-way to current design standards or approved substandard.

FY 2006-07: \$2.3 million

These projects may also include individual street elements to meet a specific deficiency such as frontage improvements, sidewalks, drainage facilities, etc. This program responds to new developments and redevelopments throughout the city by providing multi-modal access improvements to individual properties, land subdivisions, and sub-areas. The projects from this program are typically developed as a result of street improvement permits, local improvement districts, and special funding program such as Housing & Community Development. Some examples include:

Commercial/Industrial Streets: The Commercials/Industrial subprogram provides for plan review and construction engineering on all new and remodeled commercial and industrial projects. All engineering and plans productions are performed by private sector professional engineers.

Minor Permit Streets: This category covers all non residential projects with construction values less than \$25,000. The category includes street closures, side strip paving, frontage improvements, inlets, sidewalks. etc.

Subdivision Streets: The Subdivision subprogram provides for plan review and construction of new residential subdivisions. All engineering and plans productions are performed by private sector professional engineers.

**Neighborhood
Livability Program**

This program includes projects that enhance neighborhood livability by creating safer local streets for the enjoyment of its residents and improve accessibility to neighborhood destinations such as schools, parks, transit stops, and local commercial areas.

FY 2006-07: \$12.8 million

This program also promotes walking and bicycling as alternatives to the automobile for local destinations. The projects in this program are typically neighborhood scale improvements that are implemented through comparatively low cost improvements. The capital projects from this program may be coordinated with other supportive activities such as the enforcement and education programs. Some examples include:

Community and School Traffic Safety Program (CSTSP) Bicycle Safety Improvements:

This program funds bicycle safety improvements and plans for these improvements. Some examples include bicycle lanes, bike boulevard development and planning, and intersection safety improvements. These projects are selected with the assistance of the Portland's Bicycle Advisory Committee and neighborhood associations.

CSTSP Safe Routes to School: This subprogram funds primarily improvements that improve the safety of children walking and biking to school. Some examples of the projects include adding missing sidewalk connections, pedestrian islands, and improving intersection safety. These projects are part of the Safe Route to School pilot program. This program affects the following eight elementary schools in FY 2006-07: Boise-Eliot, Bridlemile, Buckman, Lewis, Vestal, Prescott, Harold Oliver, and Gilbert Park.

CSTSP Pedestrian/Bicycle Median Island: This subprogram funds the construction of pedestrian median islands across the City. These projects are selected with the assistance of the Portland's Pedestrian Advisory Committee and neighborhood associations.

Lents Improvements: This subprogram assists PDC with the LID formation and administration, street design, and construction services for improvements of local neighborhood streets in the Lents Urban Renewal District.

Lents TC 92nd Ave: The purpose of this project is to provide street improvements to the section of 92nd Avenue between SE Powell and Holgate Blvds. This project is consistent with the Lents Town Center Urban Renewal Plan. The project will upgrade the existing center-stripped paved street with sidewalks, bicycle lanes, street trees, stormwater drainage, and road bed.

Preservation and Rehabilitation Program

FY 2006-07: \$12.2 million

This program provides for the maintenance and rehabilitation of existing transportation assets. It is divided into five subprograms.

The *Environmental and Endangered Species Act* subprogram provides for the reconstruction of segments of transportation elements specifically for the purpose of environmental and ESA goals and objectives. In the past few years, PDOT and the Bureau of Environmental Services (BES), in coordination with the Oregon Water Enhancement Board, have identified and ranked 10 culvert replacement projects. This combined effort identified funding for the construction of these projects.

The *Signals and Streetlighting* subprogram identifies and replaces traffic signals and streetlights that have exceeded their service life.

The *Streets* subprogram addresses the need to rebuild and rehabilitate the City's existing street network, with projects being identified through periodic inspections and a pavement management system.

The *Structures* subprogram projects are designed to preserve and rehabilitate existing structures to protect the value of the City's initial transportation capital investment.

The *Facilities* subprogram supports the Bureau of Maintenance (BOM) operational equipment and benefits the public through enhancing BOM's efficiency and productivity. The projects in this subprogram may also improve the utilization of space, and equipment and serve other needs within the Portland Office of Transportation.

In recent years, due to CIP fiscal constraints, the funding for preservation and rehabilitation has greatly diminished. PDOT has not been able to fund any reconstruction projects in the Streets and Structures subprogram for the last six years, which has resulted in further system deterioration.

The major projects in this program include:

Naito Parkway: Market-Davis: Federal grants fund the reconstruction of Naito Parkway from Davis to Market. The project will provide additional bike lanes, improve curb ramps to the American with Disabilities Act (ADA) standards, and provide for stormwater treatment and drainage.

33rd Over Lombard & UPPR: This bridge is currently posted as insufficient capacity of the main and south approach spans. The project will address and restore capacity by replacing main span over Lombard and overlaying the remaining bridge deck.

Burgard Rd/Over Abandon RR: The existing bridge will be removed, and it will be replaced with a culvert, retaining walls, and lightweight fill. The funding source is OTIA III.

Paving Preservation Program: This subprogram resurfaces, restores, rehabilitates, and reconstructs streets in the city. PDOT's staff maintain the public's involvement by providing periodic construction updates and meeting with individuals on an as-needed basis to resolve access or other project related issues. Staff also work with the contractors to coordinate various work efforts and activities to minimize the impacts to both the residents and the traveling public.

Safety and Congestion Management Program

This program includes projects that address safety deficiencies in the transportation system and alleviate congestion problems using solutions not requiring major roadway reconstruction. Generally, the GTR funding in this category is used to leverage significant federal funds for the program.

FY 2006-07: \$723,692

The projects in this program address motor vehicle system needs (traffic, transit, and trucks), but also support other modes of transportation. These projects usually involve intersection improvements, signal timing and operations, and major signal upgrades. This program supports the implementation of the Intelligent Transportation System (ITS) plan and the Hazard Elimination Program (HEP). The limited funds are a major constraint on this program. The only funds currently available for this program after FY 2007-08 are \$75,000 in GTR. Some examples of the projects include:

Sandy at 57th HEP: This project replaces old, obsolete traffic signal and installs pedestrian amenities.

82nd Ave ITS: This project will construct the ITS infrastructure along NE/SE 82nd Avenue from NE Killingsworth to SE Flavel. The project will install electronic message signs, CCTV cameras, traffic monitoring stations, and fiber communications, and integrate these devices with the City's, ODOT's, and TriMet's Transportation Operations Centers. When these devices are installed, PDOT staff will work with ODOT to improve traffic operations in the I-205/82nd Avenue corridor.

Special Projects Program

FY 2006-07: \$2.4 million

This program provides for strategic system improvements that benefit a specific transportation objective, or have regional transportation significance.

The projects in this program need not be mode specific and may be developed cooperatively within the guidelines of Metro's Regional Transportation Plan and other regional or state plans or agreements. The key projects in this area include:

SmartMeters Installation: This project provides multi-space meters to regulate on-street parking in South Waterfront development and new neighborhood parking districts.

I-205 Light Rail: This project facilitates the design and construction of a new light rail transit system along the I-205 corridor from Gateway to Clackamas Town Center by TriMet. The City jurisdictional limits end at approximately the 92nd Ave intersection with Crystal Springs Blvd. The project will be under construction from FY 2006-07 to the first quarter of FY 2009-10.

Milwaukie Transit Corridor Study: The Milwaukie Transit Corridor project is a transportation corridor alternative analysis to evaluate high- capacity transit options in the corridor between downtown Milwaukie and downtown Portland.

Capital Improvement Plan — Office of Transportation

GEOGRAPHIC SUMMARY

This table summarizes capital costs by geographic area within each bureau in this service area.

Service Area	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Office of Transportation								
All Areas	2,850,655	6,386,534	4,832,548	6,061,919	5,896,936	6,215,126	6,275,613	29,282,142
East	2,296,045	1,507,230	1,433,854	321,624	62,747	29,470	0	1,847,695
North	68,056	466,821	4,721,845	9,072,522	6,309,381	117,000	117,000	20,337,748
Northeast	12,603,699	18,330,006	22,472,177	12,248,853	1,495,900	0	0	36,216,930
Northwest	192,431	284,042	920,461	85,000	0	0	0	1,005,461
Southeast	1,937,241	3,948,175	15,049,330	4,167,210	1,710,797	70,774	25,000	21,023,111
Southwest	11,382,530	41,896,678	16,245,759	3,540,410	1,513,308	248,376	0	21,547,853
West	945,015	5,778,863	5,559,501	45,000	0	0	0	5,604,501
Total Office of Transportation	\$ 32,275,672	\$ 78,598,349	\$ 71,235,475	\$ 35,542,538	\$ 16,989,069	\$ 6,680,746	\$ 6,417,613	\$136,865,441

CAPITAL PROJECTS

Capital Improvement Plan — Office of Transportation

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program Project	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
Office of Transportation								
Centers & Main Streets Program								
Albina/Mississippi Station	0	0	250,000	0	0	0	0	250,000
Burnside: Bridge-14th Ave	0	46,253	1,226,476	566,121	0	0	0	1,792,597
Capitol Hwy: Mult-Taylor's Ferry	0	0	0	590,661	0	0	0	590,661
Central Eastside Bridgeheads	0	0	162,603	932,983	0	0	0	1,095,586
Cully Blvd: Prescott-Killingworth	0	0	257,355	1,689,801	0	0	0	1,947,156
Division Streetscape/Recon, SE	0	283,919	175,327	379,557	208,071	0	0	762,955
Downtown Mall LRT	1,611,424	1,850,524	582,029	1,839,883	521,238	248,376	0	3,191,526
Gateway: 102nd Ave, NE/SE	2,267,470	1,362,085	777,224	258,877	0	0	0	1,036,101
Gibbs Street Pedestrian Bridge	0	49,638	189,576	448,276	992,070	0	0	1,629,922
Halsey & Weidler HEP, NE	0	0	270,000	0	0	0	0	270,000
Hawthorne: 20th - 55th, SE	895,066	1,375,687	1,567,468	15,000	15,000	0	0	1,597,468
I-5 Macadam S Ptlid Circulation	0	60,000	461,676	286,590	0	0	0	748,266
Kenton: Denver St Improvements	0	0	100,000	0	0	0	0	100,000
Killingsworth: Commercial-MLK	0	0	0	445,782	0	0	0	445,782
Killingsworth: Michigan-Borthwik	234,042	1,244,856	1,000,000	0	0	0	0	1,000,000
Lake Oswego Trolley	0	0	75,000	0	0	0	0	75,000
Lloyd District Development	10,226	659,774	30,000	0	0	0	0	30,000
Portland Streetcar - Gibbs	7,512,883	8,199,117	88,000	0	0	0	0	88,000
Portland Streetcar-Eastside Ext	309,507	1,015,250	2,675,000	2,025,000	1,139,454	25,000	25,000	5,889,454
S Waterfront: Moody - Gibbs	17,425	5,831	695,984	0	0	0	0	695,984
S Waterfront: Tram, SW	2,183,609	31,398,253	3,435,983	0	0	0	0	3,435,983
Sandy Blvd: 13th-47th, NE	745,055	1,865,683	4,369,877	1,237,962	0	0	0	5,607,839
St Johns/Lombard Ped Imp, N	0	0	145,659	147,347	732,528	0	0	1,025,534
Streetcar: Lowell Ext	0	0	7,765,000	0	0	0	0	7,765,000
Total Centers & Main Streets Program	15,786,707	49,416,870	26,300,237	10,863,840	3,608,361	273,376	25,000	41,070,814
Freight & Industrial Area Program								
47th & Columbia	0	0	165,427	3,137,377	0	0	0	3,302,804
Airtrans/ Cornfoot/ Alderwood Pr	0	0	830,000	0	0	0	0	830,000
Alderwood/ 82nd/ Columbia	0	0	2,090,000	0	0	0	0	2,090,000
Col/Killingsworth E Conn, NE	9,010,529	10,612,200	8,058,509	3,084,583	0	0	0	11,143,092
Columbia Blvd/MLK Blvd, NE	0	0	986,234	1,500,000	0	0	0	2,486,234
Freight Data Collection Infrastr	0	0	0	199,487	0	0	0	199,487
Freight Deficiency Improvement	0	265,357	189,492	0	0	0	0	189,492
Going St. Bridge, N	0	0	47,520	978,732	3,273,748	0	0	4,300,000
Ledbetter RR Overcrossing	0	0	1,930,551	6,634,376	2,186,105	0	0	10,751,032
Lombard: Columbia St O-Xing	0	0	0	733,009	1,495,900	0	0	2,228,909
St Johns Truck Strategy, PH I	0	0	357,800	749,285	0	0	0	1,107,085
Total Freight & Industrial Area Program	9,010,529	10,877,557	14,655,533	17,016,849	6,955,753	0	0	38,628,135
Local Street Development Program								
152nd Avenue LID, SE	16,100	69,600	955,200	0	0	0	0	955,200
Comm/Industrial Street Prgm, CW	410,855	562,210	510,884	424,033	445,234	467,496	490,871	2,338,518
Deficiency Corrections Prgm, CW	13,818	50,000	50,000	50,000	50,000	50,000	50,000	250,000
LID Street Design, NI	0	227,900	219,700	230,700	242,300	254,400	267,100	1,214,200
Minor Permit Streets Prgm, CW	223,600	192,815	194,882	205,013	215,263	226,026	237,328	1,078,512
Pre-LID Street Design, NI	27,860	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Subdivision Street Program CW	277,570	278,201	292,590	337,354	354,222	371,933	390,529	1,746,628
Total Local Street Development Pro-	969,803	1,410,726	2,253,256	1,277,100	1,337,019	1,399,855	1,465,828	7,733,058
Neighborhood Livability Program								
135th Av & Prescott Ct LID, NE	3,900	128,600	641,800	0	0	0	0	641,800
87th Ave & Columbia Blvd LID, NE	6,574	69,626	290,000	0	0	0	0	290,000
Bikeway Network Completion, CW	53,962	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Corbett Traffic Phase III, SW	7,315	12,989	137,011	0	0	0	0	137,011
CSTSP Bicycle Safety Improvements	0	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
CSTSP Ped/Bike Median Island	0	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
CSTSP Residential Purchase	0	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program Project	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
CSTSP Safe Routes to School	0	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
Foster at Barbara Welch	0	0	1,547,720	0	0	0	0	1,547,720
Foster Rd: 88th - 91st	0	0	920,600	0	0	0	0	920,600
Foster Streetscape Improvements	0	0	700,000	0	0	0	0	700,000
HEP Project: Linnton, NW	67,546	60,850	421,604	0	0	0	0	421,604
Interstate Livability Project	30,965	117,742	117,000	117,000	117,000	117,000	117,000	585,000
Kerby/I-405, N	19,686	221,316	423,483	0	0	0	0	423,483
Lents TC: 92nd Ave., SE	102,271	610,000	2,912,000	0	0	0	0	2,912,000
Lents TC: Neighborhood Sts, SE	286,638	30,000	2,491,600	0	0	0	0	2,491,600
Lents TC: Traffic Safety, SE	121,439	150,000	150,000	0	0	0	0	150,000
MLK Corridor Engr & Const, NE	2,096,677	1,117,200	110,000	0	0	0	0	110,000
Ped Infill & Network Completion	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Texas Green Street LID, SW	39,400	122,100	758,700	0	0	0	0	758,700
Total Neighborhood Livability Program	2,886,373	3,790,423	12,771,518	1,267,000	1,267,000	1,267,000	1,267,000	17,839,518
Preservation & Rehabilitation Program								
23rd: Burnside-Lovejoy, NW	124,885	223,192	498,857	85,000	0	0	0	583,857
33rd Over Columbia St (w/1/2), NE	171,968	894,424	772,608	0	0	0	0	772,608
33rd Over Lombard & UPPR, NE	335,202	1,689,616	1,480,691	0	0	0	0	1,480,691
Burgard Rd Over Abandon RR, N	17,405	127,763	1,299,832	0	0	0	0	1,299,832
CBD Cable Replacement, SW/NW	1,300,000	400,000	350,000	400,000	400,000	400,000	400,000	1,950,000
ESA Culvert Replacement	92,016	148,022	100,000	100,000	100,000	100,000	100,000	500,000
Foster Rd Over Johnson Creek, SE	35,988	54,644	300,000	750,000	280,368	0	0	1,330,368
MLK Viaduct, SE	170,232	59,075	64,312	64,670	67,904	45,774	0	242,660
Naito Pkwy: Davis-Market SW, NW	945,015	5,778,863	5,559,501	45,000	0	0	0	5,604,501
Paving Preservation Program	0	2,400,000	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	9,000,000
Sellwood Bridge	0	0	62,500	0	0	0	0	62,500
Signal Communication System	107,278	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Signal Reconstruction, NI	293,696	582,029	570,000	570,000	570,000	570,000	570,000	2,850,000
Total Preservation & Rehabilitation Pro-	3,593,685	12,457,628	12,158,301	4,114,670	3,518,272	3,215,774	3,170,000	26,177,017
Safety & Congestion Mgmt Program								
82nd Ave ITS	0	0	573,692	0	0	0	0	573,692
Future HEP Projects	0	0	75,000	75,000	75,000	75,000	75,000	375,000
N Lombard at Portsmouth HEP, N	0	0	50,000	0	0	0	0	50,000
NE Sandy at 57th HEP, NE	0	0	25,000	300,000	0	0	0	325,000
Total Safety & Congestion Mgmt Pro-	0	0	723,692	375,000	75,000	75,000	75,000	1,323,692
Special Projects Program								
I-205 LRT	28,575	145,145	82,938	62,747	62,747	29,470	0	237,902
Milwaukie Transit Corridor Study	0	300,000	365,000	0	0	0	0	365,000
MTIP/OTIA Program Match Fund	0	0	0	190,332	164,917	420,271	414,785	1,190,305
SmartMeters Installation	0	0	1,125,000	375,000	0	0	0	1,500,000
Sunderland Yard	0	200,000	800,000	0	0	0	0	800,000
Total Special Projects Program	28,575	645,145	2,372,938	628,079	227,664	449,741	414,785	4,093,207
Total Office of Transportation	\$ 32,275,672	\$ 78,598,349	\$ 71,235,475	\$ 35,542,538	\$ 16,989,069	\$ 6,680,746	\$ 6,417,613	\$136,865,441

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Centers & Main Streets Program

Albina/Mississippi Station

Total Project Cost:
Dollars for Art:

Area: North
Objective(s): Replacement, Mandate, Expansion, Efficiency

Project Description

Design and construct streetscape improvements as recommended in the Russell Street Improvement Planning Project Final Report, adopted by City Council November 19, 2003. Project limits for this phase are N Russell St - Interstate to I-5; N Mississippi Ave - Russell to Interstate; and N Albina Ave - Russell to Interstate. Current cross-section of all three streets is 2 travel lanes with parking, which would not change. Improvements include new sidewalks with architectural scoring, new crosswalks, curb extensions, new street trees, public art and new pedestrian-scaled streetlights. Preliminary engineering slated for FY 2006/07 with construction in FY 2007/08.

Funding Sources

Local Cost Sharing - Portland	0	0	250,000	0	0	0	0	250,000
Total Funding Sources	0	0	250,000	0	0	0	0	250,000

Expenditures

Personal Services			60,408					
External Materials & Services			136,015					
Internal Materials & Services			12,500					
Fund Balance			41,077					
Total Expenditures	0	0	250,000	0	0	0	0	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Burnside: Bridge-14th Ave

Total Project Cost:
Dollars for Art:

Area: Northeast
Objective(s): Replacement, Efficiency

Project Description

The East Burnside and Couch project extends from East 3rd Avenue to East 14th Avenue along East Burnside Street and NE Couch Street. The project will create a couplet with eastbound traffic on Burnside and westbound traffic on Couch. Specific project elements include: vacate Sandy between NE 14th and NE 12th Avenues, Convert Burnside to three and four lanes, one-way eastbound with full time on-street parking, a striped bike lane, wider sidewalks and preserve existing street trees and streetlighting, convert Couch to two lanes, one-way westbound, preserve on-street parking, existing sidewalks and healthy existing trees, rebuild substandard sidewalks, provide curb extensions at all intersections, infill street trees, and ornamental streetlights .

Funding Sources

Federal Grants Fund	0	41,627	1,103,828	509,509	0	0	0	1,613,337
Local Cost Sharing - Portland	0	4,626	122,648	56,612	0	0	0	179,260
Total Funding Sources	0	46,253	1,226,476	566,121	0	0	0	1,792,597

Expenditures

Personal Services			238,767					
External Materials & Services			925,896					
Internal Materials & Services			24,394					
Fund Balance			37,419					
Total Expenditures	0	46,253	1,226,476	566,121	0	0	0	1,792,597
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Capitol Hwy: Mult-Taylor's Ferry

Total Project Cost:
Dollars for Art:

Area: Southwest
Objective(s): Expansion, Efficiency

Project Description

The goal of the project is to expand the two vehicular travel lanes to include bike lanes, sidewalks, and stormwater treatment. This project will refine the existing concept plan to prepare for preliminary engineering. Refinement will involve engineering alternatives analysis. The total budgeted for the refinement is \$584,000. One product of the refinement will be a better cost estimate for the selected alternative.

Funding Sources

Federal Grants Fund	0	0	0	530,000	0	0	0	530,000
Discretionary Rev - Ongoing	0	0	0	60,661	0	0	0	60,661
Total Funding Sources	0	0	0	590,661	0	0	0	590,661

Expenditures

Total Expenditures	0	0	0	590,661	0	0	0	590,661
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Central Eastside Bridgeheads

Total Project Cost:
Dollars for Art:

Area: Southeast
Objective(s): Expansion

Project Description

This project improves pedestrian access to/from the Central Eastside and the Willamette River bridges in this district. Set of projects includes construction of sidewalks along the west edge of Grand Avenue and removal of the hazardous weaving traffic movements in the vicinity of the Morrison and Hawthorne Bridge approaches, and realignment of the ramp and provision of a sidewalk from the Morrison Bridge to Water Avenue (latter to be done by Multnomah County).

Funding Sources

Federal Grants Fund	0	0	139,393	833,107	0	0	0	972,500
Discretionary Rev - One-Time	0	0	23,210	99,876	0	0	0	123,086
Total Funding Sources	0	0	162,603	932,983	0	0	0	1,095,586

Expenditures

Personal Services			121,436					
External Materials & Services			3,814					
Internal Materials & Services			1,000					
Fund Balance			36,353					
Total Expenditures	0	0	162,603	932,983	0	0	0	1,095,586
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Cully Blvd: Prescott-Killingworth								
	Total Project Cost:							Area: Northeast
	Dollars for Art:							Objective(s): Replacement
Project Description								
The Cully Boulevard Green Street Project will plan and design NE Cully Boulevard between NE Prescott Street and NE Killingsworth Street. Bike lanes, sidewalks with street trees, and on-street parking will provide adequate separation between modes so that traveling along Cully is safer. The project will also identify safety improvements to the 5-way intersection at Cully, 60th and Prescott. The plan will identify green street design practices to manage stormwater water quality and quantity. Project planning will evaluate design alternatives to develop a recommended plan and implementation strategies. Project planning will target public outreach activities to the significant concentration of black, Hispanic, refugee, and low-income populations in the vicinity of the project. With the plan in place, preliminary engineering can begin. Funding for construction has not yet been identified. Planning is scheduled to begin in early 2007.								
Funding Sources								
General Fund	0	0	257,355	0	0	0	0	257,355
Federal Grants Fund	0	0	0	610,587	0	0	0	610,587
Public Works/Utility Charge	0	0	0	1,079,214	0	0	0	1,079,214
Total Funding Sources	0	0	257,355	1,689,801	0	0	0	1,947,156
Expenditures								
Personal Services			85,617					
External Materials & Services			119,463					
Internal Materials & Services			11,000					
Fund Balance			41,275					
Total Expenditures	0	0	257,355	1,689,801	0	0	0	1,947,156
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Division Streetscape/Recon, SE								
	Total Project Cost:							Area: Southeast
	Dollars for Art:							Objective(s): Maintenance
Project Description								
The Division Streetscape and Reconstruction Project will develop a plan for transportation, pavement, streetscape, and green street improvements between 11th and 60th Ave. The project will also assess the feasibility of striping bike lanes along Division Street between SE 52nd Ave and SE 78th Ave. Project planning will evaluate design alternatives to develop a recommended plan and implementation strategies that meet community goals and fit within the City's policy framework. With the plan in place, Phase 1 preliminary engineering and construction can begin. Phase 1 implementation will include roadway pavement repair and reconstruction between SE 6th Ave and SE 39th Ave and construction of transportation and streetscape improvements between SE 11th Ave and SE 39th Ave.								
Funding Sources								
Federal Grants Fund	0	249,239	131,884	379,557	0	0	0	511,441
Public Works/Utility Charge	0	34,680	43,443	0	208,071	0	0	251,514
Total Funding Sources	0	283,919	175,327	379,557	208,071	0	0	762,955
Expenditures								
Personal Services			93,052					
External Materials & Services			54,225					
Internal Materials & Services			5,050					
Fund Balance			23,000					
Total Expenditures	0	283,919	175,327	379,557	208,071	0	0	762,955
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Downtown Mall LRT			Total Project Cost:					Area: Southwest
			Dollars for Art:					Objective(s): Mandate
Project Description								
This project adds a light rail line to SW 5th and SW 6th from SW Glisan to Jackson, extending the transit mall to PSU. The project schedule is to perform final engineering in 2005-06, with a construction start in the summer of 2006. Construction will take place through 2008-09, with revenue service targeted for late 2009. PDOT staff will be providing technical assistance to TriMet on traffic, streetscape, access, and other issues; assist with permitting and provide other support as needed. This project, along with the I-205 LRT project, are jointly considered to be part of the "South" portion of the S-N LRT concept. Without the downtown mall LRT segment, the light rail system will not be able to expand due to limited capacity on the existing cross-mall system.								
Funding Sources								
Federal Grants Fund	0	1,699,956	582,029	506,883	521,238	248,376	0	1,858,526
Public Works/Utility Charge	1,611,424	150,568	0	1,333,000	0	0	0	1,333,000
Total Funding Sources	1,611,424	1,850,524	582,029	1,839,883	521,238	248,376	0	3,191,526
Expenditures								
Personal Services			582,029					
Total Expenditures	1,611,424	1,850,524	582,029	1,839,883	521,238	248,376	0	3,191,526
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Gateway: 102nd Ave, NE/SE			Total Project Cost:					Area: East
			Dollars for Art:					Objective(s): Expansion
Project Description								
NE Weidler to SE Washington St.: This project will widen and rebuild sidewalks, add street trees, lights landscaping and pedestrian medians on 102nd Ave. from NE Weidler St. to SE Washington St. CIP funds will be used for completing plans, specifications, and estimates, and beginning construction. The project is funded with federal transportation Funds. construction will begin during FY 2006-07.								
Funding Sources								
Federal Grants Fund	172,155	1,111,744	357,224	258,877	0	0	0	616,101
Public Works/Utility Charge	2,076,673	250,341	420,000	0	0	0	0	420,000
Local Cost Sharing - Portland	18,642	0	0	0	0	0	0	0
Total Funding Sources	2,267,470	1,362,085	777,224	258,877	0	0	0	1,036,101
Expenditures								
Personal Services			278,920					
External Materials & Services			400,489					
Internal Materials & Services			28,000					
Fund Balance			69,815					
Total Expenditures	2,267,470	1,362,085	777,224	258,877	0	0	0	1,036,101
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Gibbs Street Pedestrian Bridge

Total Project Cost:

Area: Southwest

Dollars for Art:

Objective(s): Expansion, Efficiency

Project Description

Design and construct SW Gibbs Street Pedestrian Bridge over the I-5 freeway from SW Macadam Ave to SW Kelly Ave.

Funding Sources

Federal Grants Fund	0	0	61,414	149,983	307,265	0	0	518,662
Public Works/Utility Charge	0	49,638	128,162	298,293	584,805	0	0	1,011,260
Local Cost Sharing - Portland	0	0	0	0	100,000	0	0	100,000
Total Funding Sources	0	49,638	189,576	448,276	992,070	0	0	1,629,922

Expenditures

Personal Services			138,450					
External Materials & Services			13,811					
Fund Balance			37,315					
Total Expenditures	0	49,638	189,576	448,276	992,070	0	0	1,639,922

Operating & Maintenance Costs

	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Halsey & Weidler HEP, NE

Total Project Cost:

Area: Northeast

Dollars for Art:

Objective(s): Efficiency

Project Description

This project will design and construct pedestrian and traffic safety improvement on NE Halsey and Weidler between NE 102nd and NE 109th Ave. The project will be constructed in 2007.

Funding Sources

Federal Grants Fund	0	0	270,000	0	0	0	0	270,000
Total Funding Sources	0	0	270,000	0	0	0	0	270,000

Expenditures

Personal Services			18,000					
Internal Materials & Services			2,000					
Minor Capital Outlay			250,000					
Total Expenditures	0	0	270,000	0	0	0	0	270,000

Operating & Maintenance Costs

	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

Hawthorne: 20th - 55th, SE

Total Project Cost: 3,868,221 **Area:** Southeast
Dollars for Art: 7,000 **Objective(s):** Efficiency

Project Description

The Hawthorne Boulevard Project will undertake planning, engineering and construction to improve Hawthorne Blvd for all modes and to support Hawthorne role as a vital neighborhood main street in southeast Portland. The project will implement the adopted Hawthorne Boulevard Transportation Plan (1997, amended 2004). The project includes improvements for pedestrian safety, transit efficiency, and bicycle access. Signal and intersection improvements will increase safety for vehicles, and on-street parking will remain. Traffic calming projects on adjacent streets will improve neighborhood livability and mitigate the effects of traffic in the project area. Construction is expected to begin in January 2006 and will last approximately one year.

Funding Sources

Federal Grants Fund	180,000	1,099,396	312,104	0	0	0	0	312,104
Public Works/Utility Charge	692,013	249,343	950,364	0	0	0	0	950,364
Discretionary Rev - One-Time	23,053	26,948	305,000	15,000	15,000	0	0	335,000
Total Funding Sources	895,066	1,375,687	1,567,468	15,000	15,000	0	0	1,597,468

Expenditures

Personal Services			170,943					
External Materials & Services			12,000					
Internal Materials & Services			35,875					
Minor Capital Outlay			1,298,650					
Fund Balance			50,000					
Total Expenditures	895,066	1,375,687	1,567,468	15,000	15,000	0	0	1,597,468
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

I-5 Macadam S Ptl'd Circulation

Total Project Cost: **Area:** Southwest
Dollars for Art: **Objective(s):** Expansion, Efficiency

Project Description

Prepare environmental documentation, and begin preliminary engineering for South Portland Circulation Phase 1 and Highway 43/I-5 Connections.

Funding Sources

Federal Grants Fund	0	0	335,508	164,492	0	0	0	500,000
Local Cost Sharing - Portland	0	60,000	126,168	122,098	0	0	0	248,266
Total Funding Sources	0	60,000	461,676	286,590	0	0	0	748,266

Expenditures

Personal Services			270,583					
Internal Materials & Services			5,000					
Minor Capital Outlay			115,367					
Fund Balance			70,726					
Total Expenditures	0	60,000	461,676	286,590	0	0	0	748,266
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Kenton: Denver St Improvements

Total Project Cost:
Dollars for Art:

Area: North
Objective(s): Replacement, Expansion, Efficiency

Project Description

Design and construct streetscape improvements for N Denver between Watts and Argyle Streets. Improvements include new wider sidewalks, new street trees, pedestrian-scaled streetlights and other streetscape furnishings. Preliminary engineering slated to begin in FY 2006-07 and finish in FY 2007-08, with construction in FY 2008-09 and 2009-10.

Funding Sources

Local Cost Sharing - Portland	0	0	100,000	0	0	0	0	100,000
Total Funding Sources	0	0	100,000	0	0	0	0	100,000

Expenditures

Personal Services			28,686					
External Materials & Services			48,008					
Internal Materials & Services			3,800					
Fund Balance			19,096					
Total Expenditures	0	0	100,000	0	0	0	0	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Killingsworth: Commercial-MLK

Total Project Cost:
Dollars for Art:

Area: North
Objective(s): Replacement, Efficiency

Project Description

Prepare engineering for construction of streetscape improvements as recommended in the Killingsworth Street Improvements Planning Project Report, adopted by City Council August 7, 2003. Improvements include new sidewalks with architectural scoring, paver detail at corners, new crosswalks, new street trees, and streetlighting. This is Phase II of a multi-phase project. Primary funding is through the federal MTIP with match from the Portland Development Commission Interstate Corridor Urban Renewal Area.

Funding Sources

Federal Grants Fund	0	0	0	400,000	0	0	0	400,000
Discretionary Rev - Ongoing	0	0	0	45,782	0	0	0	45,782
Total Funding Sources	0	0	0	445,782	0	0	0	445,782

Expenditures

Total Expenditures	0	0	0	445,782	0	0	0	445,782
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Killingsworth: Michigan-Borthwik

Total Project Cost: 2,478,898 **Area:** Northeast
Dollars for Art: 21,144 **Objective(s):** Replacement

Project Description

Construct streetscape improvements as recommended in the Killingsworth Street Improvements Planning Project Report, adopted by City Council August 7, 2003. Current and proposed cross-section is two travel lanes with parking. Improvements include curb extensions, new sidewalks with architectural scoring, paver detail at corners, sidewalk widening in some blocks, new crosswalks, new street trees, and streetlighting. This is Phase I of a multi-phase project, and is being constructed in two subphases, Phase I-A and Phase I-B. Primary funding is from the Portland Development Commission Interstate Corridor Urban Renewal Area. By the end of FY 2005-06, Phase I-A will be complete, with five block fronts will have been constructed by Portland Community College as part of Cascade Campus improvements and four block faces constructed by a competitively bid public contract with funds from both PDC and general transportation revenues. Phase I-B is scheduled to begin construction in FY 2005-06 and complete in FY 2006-07, with funding by PDC.

Funding Sources

Local Cost Sharing - Portland	234,042	744,856	1,000,000	0	0	0	0	1,000,000
Discretionary Rev - One-Time	0	500,000	0	0	0	0	0	0
Total Funding Sources	234,042	1,244,856	1,000,000	0	0	0	0	1,000,000

Expenditures

Personal Services			161,135					
External Materials & Services			10,000					
Internal Materials & Services			46,100					
Minor Capital Outlay			715,975					
Fund Balance			66,790					
Total Expenditures	234,042	1,244,856	1,000,000	0	0	0	0	1,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Lake Oswego Trolley

Total Project Cost: **Area:** Southwest
Dollars for Art: **Objective(s):** Expansion

Project Description

Lake Oswego to Portland Transit Corridor Study is an alternative analysis managed by Metro to examine alternatives transportation improvements between Lake Oswego and Portland.

Funding Sources

Local Cost Sharing - Metro	0	0	75,000	0	0	0	0	75,000
Total Funding Sources	0	0	75,000	0	0	0	0	75,000

Expenditures

Personal Services			65,000					
External Materials & Services			10,000					
Total Expenditures	0	0	75,000	0	0	0	0	75,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Lloyd District Development

Total Project Cost: 950,000 **Area:** Northeast
Dollars for Art: 50,000 **Objective(s):** Expansion

Project Description

The Oregon Convention Center Urban Renewal Area Transportation Enhancement project is intended to fund right-of-way improvement that would improve traffic operations, safety concerns, pedestrian and bicycle access, transit access, and stops/stations amenities, and enhance the character and identity of the Lloyd district. Project include traffic signals and intersection upgrades at NE 2nd Avenue and Broadway/Weidler, enhanced pedestrian crossings, installation of an ornamental clock on a pedestrian refuge island on NE Multnomah, bike lanes and loop detectors on N Wheeler and Williams, Holladay street beautification, and art installation on the existing pedestal at NE Holladay and 7th Avenue.

Funding Sources

Local Cost Sharing - Portland	10,226	659,774	30,000	0	0	0	0	30,000
Total Funding Sources	10,226	659,774	30,000	0	0	0	0	30,000

Expenditures

Minor Capital Outlay			30,000					
Total Expenditures	10,226	659,774	30,000	0	0	0	0	30,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Portland Streetcar - Gibbs

Total Project Cost: **Area:** Southwest
Dollars for Art: **Objective(s):** Expansion

Project Description

The Portland Streetcar Gibbs project extends streetcar service to SW Gibbs Street and the interface with the aerial tram. It connects South Waterfront to Portland State University, the west end of downtown, the Pearl District and NW Portland. Expenditures reflect the last milestone payment for the three new streetcar vehicles.

Funding Sources

Local Improvement District Construction	0	2,020,000	0	0	0	0	0	0
Federal Grants Fund	3,781,564	6,130,436	88,000	0	0	0	0	88,000
Local Cost Sharing - Portland	3,731,319	48,681	0	0	0	0	0	0
Total Funding Sources	7,512,883	8,199,117	88,000	0	0	0	0	88,000

Expenditures

External Materials & Services			8,000					
Minor Capital Outlay			80,000					
Total Expenditures	7,512,883	8,199,117	88,000	0	0	0	0	88,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Portland Streetcar-Eastside Ext

Total Project Cost:

Area: Southeast

Dollars for Art:

Objective(s): Mandate, Expansion

Project Description

The Portland Streetcar Eastside project will extend streetcar service to the Lloyd District and the Central Eastside. It will help stimulate and support new high-density, mixed-use development in the Central City east of the Willamette River. Activities during FY 2006-07 will include an environmental analysis as part of the federal National Environmental Protection Act requirements and the start of preliminary engineering. These activities are necessary for transit projects seeking "Small Starts" funding through the Federal Transit Administration of the U.S. Department of Transportation.

Funding Sources

Federal Grants Fund	128,569	861,000	1,650,000	1,000,000	1,000,000	0	0	3,650,000
Local Cost Sharing - Portland	180,938	129,250	1,000,000	1,000,000	0	0	0	2,000,000
Discretionary Rev - Ongoing	0	25,000	25,000	25,000	139,454	25,000	25,000	239,454
Total Funding Sources	309,507	1,015,250	2,675,000	2,025,000	1,139,454	25,000	25,000	5,889,454

Expenditures

Personal Services			103,076					
External Materials & Services			2,571,924					
Total Expenditures	309,507	1,015,250	2,675,000	2,025,000	1,139,454	25,000	25,000	5,889,454
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

S Waterfront: Moody - Gibbs

Total Project Cost:

Area: Southwest

Dollars for Art:

Objective(s): Maintenance, Replacement, Expansion, Efficiency

Project Description

Design and construct street and frontage improvements along SW Moody Avenue at/near Gibbs Street. Gibbs will be closed to vehicular traffic, and Moody Avenue will be realigned. The project will provide an improved pedestrian connection between the streetcar station that is being constructed on the west side of Moody just north of Gibbs and the Aerial Tram station that is being constructed in the Gibbs right-of-way just east of Moody. The project will also provide sidewalk in-fill along the east side of Moody as well as additional streetlighting along Moody between Gibbs and the Marquam Bridge. The realigned street near Gibbs will include improvements for bicycling as well.

Funding Sources

Public Works/Utility Charge	17,425	5,831	595,984	0	0	0	0	595,984
Local Cost Sharing - Portland	0	0	100,000	0	0	0	0	100,000
Total Funding Sources	17,425	5,831	695,984	0	0	0	0	695,984

Expenditures

Personal Services			76,955					
External Materials & Services			95,929					
Internal Materials & Services			2,000					
Minor Capital Outlay			521,100					
Total Expenditures	17,425	5,831	695,984	0	0	0	0	695,984
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total

S Waterfront: Tram, SW

Total Project Cost:

Area: Southwest

Dollars for Art:

Objective(s): Expansion

Project Description

Design and construct aerial tram connecting Marquam Hill with the South Waterfront District.

Funding Sources

Local Improvement District Construction	1,484,207	26,668,404	2,673,605	0	0	0	0	2,673,605
O H S U	199,436	2,649,811	0	0	0	0	0	0
Local Cost Sharing - Portland	499,966	2,080,038	762,378	0	0	0	0	762,378
Total Funding Sources	2,183,609	31,398,253	3,435,983	0	0	0	0	3,435,983

Expenditures

Personal Services			390,184					
External Materials & Services			533,898					
Internal Materials & Services			22,500					
Minor Capital Outlay			2,489,401					
Total Expenditures	2,183,609	31,398,253	3,435,983	0	0	0	0	3,435,983

Operating & Maintenance Costs

			1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
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	Revised	Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total

Sandy Blvd: 13th-47th, NE

Total Project Cost:

Area: Northeast

Dollars for Art:

Objective(s): Maintenance, Efficiency

Project Description

This project will improve pavement conditions on Sandy Blvd by removing existing asphalt and replacing with new asphalt. This work will eliminate rutting in the pavement and create curb exposure to aid in stormwater drainage. This project will also improve circulation within the Hollywood district: improve pedestrian crossing opportunities; use curb extensions to calm traffic; enhance transit access; and use access management measures to address confusing intersections. The project design will start with recommendations of the City's Hollywood Sandy Blvd plan.

Funding Sources

State Cost Sharing	428,220	1,865,683	4,369,877	1,237,962	0	0	0	5,607,839
Discretionary Rev - Ongoing	316,835	0	0	0	0	0	0	0
Total Funding Sources	745,055	1,865,683	4,369,877	1,237,962	0	0	0	5,607,839

Expenditures

Personal Services			232,856					
External Materials & Services			60,289					
Internal Materials & Services			76,732					
Minor Capital Outlay			4,000,000					
Total Expenditures	745,055	1,865,683	4,369,877	1,237,962	0	0	0	5,607,839

Operating & Maintenance Costs

			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

St Johns/Lombard Ped Imp, N

Total Project Cost: _____ **Area:** North
Dollars for Art: _____ **Objective(s):** Expansion

Project Description

Implements pedestrian safety improvements within the St Johns town center and pedestrian district recommended by the St Johns/Lombard Plan. Improvements include a total of seven curb extensions at the following locations: N Ivanhoe/ John, N Ivanhoe/Charleston, N Ivanhoe/Richmond. Improvements also include a new traffic signal at the intersection of N Ivanhoe/Richmond to improve pedestrian safety. All locations for curb extension improvements are subject to community review before construction.

Funding Sources

Federal Grants Fund	0	0	112,393	85,079	732,528	0	0	930,000
Discretionary Rev - Ongoing	0	0	33,266	62,268	0	0	0	95,534
Total Funding Sources	0	0	145,659	147,347	732,528	0	0	1,025,534

Expenditures

Personal Services			89,040					
Internal Materials & Services			3,600					
Minor Capital Outlay			34,031					
Fund Balance			18,988					
Total Expenditures	0	0	145,659	147,347	732,528	0	0	1,025,534
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Streetcar: Lowell Ext

Total Project Cost: 7,765,000 **Area:** Southwest
Dollars for Art: 46,600 **Objective(s):** Mandate, Expansion, Efficiency

Project Description

The Portland Streetcar Lowell project will extend streetcar to the south end of the South Waterfront central district area in order to better serve residents and employees. It will provide high-quality transit service linking South Waterfront to Portland State University, the west end of downtown, the Pearl District, and Northwest Portland. Activities in FY 2006-07 will be construction.

Funding Sources

Local Improvement District Construction	0	0	4,800,000	0	0	0	0	4,800,000
Federal Grants Fund	0	0	635,000	0	0	0	0	635,000
Local Cost Sharing - Portland	0	0	2,330,000	0	0	0	0	2,330,000
Total Funding Sources	0	0	7,765,000	0	0	0	0	7,765,000

Expenditures

Personal Services			33,724					
External Materials & Services			628,408					
Internal Materials & Services			60,000					
Minor Capital Outlay			7,042,868					
Total Expenditures	0	0	7,765,000	0	0	0	0	7,765,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Freight & Industrial Area Program

47th & Columbia

Total Project Cost:
Dollars for Art:

Area: Northeast
Objective(s): Expansion, Efficiency

Project Description

Widen and channelize intersection to provide for additional capacity in the Port Airport district. For FY 2006-07 project will develop alternatives for the intersection.

Funding Sources

Local Cost Sharing -Port Of Portland	0	0	165,427	3,137,377	0	0	0	3,302,804
Total Funding Sources	0	0	165,427	3,137,377	0	0	0	3,302,804

Expenditures

Personal Services			91,712					
Minor Capital Outlay			40,515					
Fund Balance			33,200					
Total Expenditures	0	0	165,427	3,137,377	0	0	0	3,302,804
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Airtrans/ Cornfoot/ Alderwood Pr

Total Project Cost:
Dollars for Art:

Area: Northeast
Objective(s): Expansion, Efficiency

Project Description

Signal and turn lane improvements to NE Airtrans Rd at Cornfoot and NE Alderwood at Cornfoot intersections to improve freight mobility within the Columbia Corridor freight district.

Funding Sources

Local Cost Sharing -Port Of Portland	0	0	830,000	0	0	0	0	830,000
Total Funding Sources	0	0	830,000	0	0	0	0	830,000

Expenditures

Personal Services			17,715					
External Materials & Services			30,000					
Minor Capital Outlay			773,417					
Fund Balance			8,868					
Total Expenditures	0	0	830,000	0	0	0	0	830,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Alderwood/ 82nd/ Columbia

Total Project Cost:

Area: Northeast

Dollars for Art:

Objective(s): Expansion, Efficiency

Project Description

Signal and turn lane improvements to NE Alderwood at Columbia Blvd and NE Alderwood at 82nd Ave intersections to improve freight mobility within the Columbia Corridor freight district.

Funding Sources

Local Cost Sharing -Port Of Portland	0	0	2,090,000	0	0	0	0	2,090,000
Total Funding Sources	0	0	2,090,000	0	0	0	0	2,090,000

Expenditures

Personal Services			17,535					
External Materials & Services			30,000					
Minor Capital Outlay			2,033,597					
Fund Balance			8,868					
Total Expenditures	0	0	2,090,000	0	0	0	0	2,090,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Col/Killingsworth E Conn, NE

Total Project Cost:

Area: Northeast

Dollars for Art:

Objective(s): Expansion

Project Description

NE Columbia Blvd. terminates at NE 92nd with a substandard, narrow, two-lane railroad underpass creating a significant underutilization of existing capacity and safety hazard on NE Lombard (AKA Killingsworth). Beginning in the fall of 2005, the project constructed a wider underpass and an at-grade intersection further west from I-205 interchange. Construction will take two years. Project improves freight mobility by upgrading the connection between Columbia Corridor Industrial Sanctuary and I-205. Project eliminates the existing barrier between regional recreational facilities to the north such as Columbia Slough South Shore Trail and Johnson Lake and the adjacent neighborhood to the south by adding two pedestrian and bicycle connections under the existing elevated railroad tracks. Project also improves livability by providing signalized access to the adjacent neighborhood and school, paving an existing unimproved street, and reducing congestion.

Funding Sources

Public Works/Utility Charge	1,080,857	1,406,019	2,238,509	0	0	0	0	2,238,509
State Cost Sharing	5,934,687	9,206,181	5,820,000	3,084,583	0	0	0	8,904,583
Local Cost Sharing -Port Of Portland	1,994,985	0	0	0	0	0	0	0
Total Funding Sources	9,010,529	10,612,200	8,058,509	3,084,583	0	0	0	11,143,092

Expenditures

Personal Services			625,803					
External Materials & Services			297,848					
Internal Materials & Services			91,625					
Minor Capital Outlay			7,043,233					
Total Expenditures	9,010,529	10,612,200	8,058,509	3,084,583	0	0	0	11,143,092
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Columbia Blvd/MLK Blvd, NE

Total Project Cost:

Area: Northeast

Dollars for Art:

Objective(s): Expansion

Project Description

This project will begin with a planning and predevelopment study to identify and prioritize needs for the intersection of NE Martin Luther King Jr. Blvd and NE Columbia Blvd and the adjacent industrial area. Following completion of the planning study preliminary engineering for selected elements will begin.

Funding Sources

Federal Grants Fund	0	0	500,000	1,500,000	0	0	0	2,000,000
Public Works/Utility Charge	0	0	486,234	0	0	0	0	486,234
Total Funding Sources	0	0	986,234	1,500,000	0	0	0	2,486,234

Expenditures

Personal Services			131,609					
External Materials & Services			850,625					
Internal Materials & Services			4,000					
Total Expenditures	0	0	986,234	1,500,000	0	0	0	2,486,234

Operating & Maintenance Costs

			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Freight Data Collection Infrastr

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Expansion, Efficiency

Project Description

Project will provide permanent count classification stations at 50 locations to conduct real-time truck counts. Data will be archived at PSU. Information will be used to maintain and update the City and regional freight modal plans.

Funding Sources

Federal Grants Fund	0	0	0	179,000	0	0	0	179,000
Discretionary Rev - Ongoing	0	0	0	20,487	0	0	0	20,487
Total Funding Sources	0	0	0	199,487	0	0	0	199,487

Expenditures

Total Expenditures	0	0	0	199,487	0	0	0	199,487
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Operating & Maintenance Costs

			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Freight Deficiency Improvement			Total Project Cost:					Area: All Areas
			Dollars for Art:					Objective(s): Efficiency
Project Description								
The purpose of this program is to implement hot spot improvement to benefit the efficient movement of freight.								
Funding Sources								
Discretionary Rev - Ongoing	0	265,357	189,492	0	0	0	0	189,492
Total Funding Sources	0	265,357	189,492	0	0	0	0	189,492
Expenditures								
Personal Services			50,150					
Internal Materials & Services			2,500					
Minor Capital Outlay			136,842					
Total Expenditures	0	265,357	189,492	0	0	0	0	189,492
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Going St. Bridge, N			Total Project Cost:					Area: North
			Dollars for Art:					Objective(s): Replacement
Project Description								
Seismic retrofit bridge to accommodate current standards plus maintain access and operation to Swan Island and UPRR Albina Yard. Design is scheduled to begin in the fall of 2008.								
Funding Sources								
State Cost Sharing	0	0	47,520	978,732	2,973,748	0	0	4,000,000
Discretionary Rev - One-Time	0	0	0	0	300,000	0	0	300,000
Total Funding Sources	0	0	47,520	978,732	3,273,748	0	0	4,300,000
Expenditures								
Personal Services			22,124					
External Materials & Services			15,000					
Internal Materials & Services			1,000					
Fund Balance			9,396					
Total Expenditures	0	0	47,520	978,732	3,273,748	0	0	4,300,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Ledbetter RR Overcrossing					Total Project Cost:		Area:	North
					Dollars for Art:		Objective(s):	Maintenance, Replacement
Project Description								
The purpose of the N Ledbetter Road Railroad Grade Separation Crossing is to eliminate conflicts between unit trains and vehicular traffic to 142 acres of industrial development. Design and construction of a new bridge separating vehicular freight and employee traffic from two (one existing and a second proposed) rail tracks. The total budgeted amount is \$10.8 million; however, one of the first items of work will be the preparation of an updated cost estimate. Funding for this project comes from a mix of federal, state, and port funds.								
Funding Sources								
Federal Grants Fund	0	0	1,750,749	49,251	0	0	0	1,800,000
State Cost Sharing	0	0	179,802	5,820,198	0	0	0	6,000,000
Local Cost Sharing -Port Of Portland	0	0	0	764,927	2,186,105	0	0	2,951,032
Total Funding Sources	0	0	1,930,551	6,634,376	2,186,105	0	0	10,751,032
Expenditures								
Personal Services			414,537					
External Materials & Services			1,389,984					
Internal Materials & Services			16,000					
Fund Balance			110,030					
Total Expenditures	0	0	1,930,551	6,634,376	2,186,105	0	0	10,751,032
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Lombard: Columbia SI O-Xing					Total Project Cost:		Area:	Northeast
					Dollars for Art:		Objective(s):	Replacement, Efficiency
Project Description								
The purpose of the project is to retain a crucial freight connection between Terminal 5 and industrial businesses in Rivergate that depend upon heavy freight movement via the project bridge. This project will strengthen a bridge that was constructed when the 80,000-lb truck weight was the bridge standard. Oregon's max. weight limit has increased to 105,500 lbs. The total budgeted for the design and construction of this project is \$2.2 million.								
Funding Sources								
Federal Grants Fund	0	0	0	630,000	1,370,000	0	0	2,000,000
Discretionary Rev - Ongoing	0	0	0	103,009	125,900	0	0	228,909
Total Funding Sources	0	0	0	733,009	1,495,900	0	0	2,228,909
Expenditures								
Total Expenditures	0	0	0	733,009	1,495,900	0	0	2,228,909
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
St Johns Truck Strategy, PH I								
Total Project Cost:								Area: North
Dollars for Art:								Objective(s): Efficiency
Project Description								
Phase I implementation of the St Johns Truck Strategy to improve freight mobility on the designated freight route between the St Johns Bridge and Rivergate industrial area. Improvements include upgrades to the existing traffic signals at N Philadelphia/Ivanhoe and N St Louis/Lombard intersections with new curb and sidewalk construction, and geometry modifications to the N Ivanhoe/St Louis intersection, with right-of-way acquisition. The project also includes seven curb extensions to improve pedestrian crossing safety at N Lombard/St Louis, N Ivanhoe/St Louis, N Ivanhoe/Philadelphia and N Philadelphia/Burlington.								
Funding Sources								
Federal Grants Fund	0	0	324,534	679,466	0	0	0	1,004,000
Discretionary Rev - One-Time	0	0	33,266	69,819	0	0	0	103,085
Total Funding Sources	0	0	357,800	749,285	0	0	0	1,107,085
Expenditures								
Personal Services			191,388					
External Materials & Services			33,266					
Internal Materials & Services			6,000					
Minor Capital Outlay			77,846					
Fund Balance			49,300					
Total Expenditures	0	0	357,800	749,285	0	0	0	1,107,085
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total

Local Street Development Program

152nd Avenue LID, SE								
Total Project Cost:								Area: Southeast
Dollars for Art:								Objective(s): Replacement, Expansion, Efficiency
Project Description								
The general character and scope of the improvement is to remove the existing dirt, gravel, and/or hard surface; grade streets to their proper subgrade; construct asphaltic concrete streets with an aggregate base, curbs, and sidewalk; and construct a storm sewer as necessary to meet Bureau of Environmental Services design standards and also construct stormwater management facilities that are consistent with Bureau of Environmental Services Stormwater Management Manual requirements, with possible surface vegetation facilities in some locations; and to construct traffic calming improvements, including, but not limited to, speed bumps.								
Funding Sources								
Local Improvement District Construction	16,100	69,600	955,200	0	0	0	0	955,200
Total Funding Sources	16,100	69,600	955,200	0	0	0	0	955,200
Expenditures								
Personal Services			137,700					
Internal Materials & Services			14,000					
Minor Capital Outlay			803,500					
Total Expenditures	16,100	69,600	955,200	0	0	0	0	955,200
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Comm/Industrial Street Prgm, CW

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Expansion

Project Description

The Commercial/Industrial Permit Program provides for the plan review and construction engineering on all new and remodeled commercial and industrial projects. All engineering and plans productions are performed by private sector professional engineers.

Funding Sources

Public Works/Utility Charge	410,855	509,861	456,440	370,570	391,771	414,033	434,735	2,067,549
Discretionary Rev - Ongoing	0	52,349	54,444	53,463	53,463	53,463	56,136	270,969
Total Funding Sources	410,855	562,210	510,884	424,033	445,234	467,496	490,871	2,338,518

Expenditures

Personal Services			413,992					
External Materials & Services			79,892					
Internal Materials & Services			17,000					
Total Expenditures	410,855	562,210	510,884	424,033	445,234	467,496	490,871	2,338,518

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Deficiency Corrections Prgm, CW

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Maintenance

Project Description

Permit improvement projects are often made adjacent to existing streets that are in poor condition. These existing maintained streets frequently need special attention to increase pavement strength, remove existing structural defects, and improve existing drainage characteristics. This program provides funding for these improvements that are built in conjunction with new permit projects.

Funding Sources

Discretionary Rev - Ongoing	13,818	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	13,818	50,000	50,000	50,000	50,000	50,000	50,000	250,000

Expenditures

Minor Capital Outlay			50,000					
Total Expenditures	13,818	50,000	50,000	50,000	50,000	50,000	50,000	250,000

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
LID Street Design, NI			Total Project Cost:					Area: All Areas
			Dollars for Art:					Objective(s): Replacement
Project Description								
Design two projects after LID formation of 1,000 centerline feet each (approximately eight blocks) to be constructed and budgeted separately in FY 2007-08.								
Funding Sources								
Local Improvement District Construction	0	227,900	119,700	230,700	242,300	254,400	267,100	1,114,200
Local Cost Sharing - Portland	0	0	100,000	0	0	0	0	100,000
Total Funding Sources	0	227,900	219,700	230,700	242,300	254,400	267,100	1,214,200
Expenditures								
Personal Services			182,300					
Internal Materials & Services			37,400					
Total Expenditures	0	227,900	219,700	230,700	242,300	254,400	267,100	1,214,200
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Minor Permit Streets Prgm, CW			Total Project Cost:					Area: All Areas
			Dollars for Art:					Objective(s): Expansion
Project Description								
This category covers all non residential projects with construction values less than \$25,000. Category includes street closures, side strip paving, frontage improvements, inlets, sidewalks, etc.								
Funding Sources								
Public Works/Utility Charge	197,440	165,130	166,090	175,069	185,319	196,082	205,887	928,447
Discretionary Rev - Ongoing	26,160	27,685	28,792	29,944	29,944	29,944	31,441	150,065
Total Funding Sources	223,600	192,815	194,882	205,013	215,263	226,026	237,328	1,078,512
Expenditures								
Personal Services			156,610					
External Materials & Services			27,272					
Internal Materials & Services			11,000					
Total Expenditures	223,600	192,815	194,882	205,013	215,263	226,026	237,328	1,078,512
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Pre-LID Street Design, NI								
	Total Project Cost:							Area: All Areas
	Dollars for Art:							Objective(s): Replacement
Project Description								
Description: Prepare 11 pre-LID estimates. These are estimates that may not result in an LID project and are therefore nonrecoverable.								
Funding Sources								
Discretionary Rev - Ongoing	27,860	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Total Funding Sources	27,860	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Expenditures								
Personal Services			20,000					
Internal Materials & Services			10,000					
Total Expenditures	27,860	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Subdivision Street Program CW								
	Total Project Cost:							Area: All Areas
	Dollars for Art:							Objective(s): Expansion
Project Description								
The Subdivision Street provides for plan review and construction of new residential subdivisions. All engineering and plans productions are performed by private sector professional engineers.								
Funding Sources								
Public Works/Utility Charge	277,570	253,865	267,281	311,032	327,900	345,611	362,891	1,614,715
Discretionary Rev - Ongoing	0	24,336	25,309	26,322	26,322	26,322	27,638	131,913
Total Funding Sources	277,570	278,201	292,590	337,354	354,222	371,933	390,529	1,746,628
Expenditures								
Personal Services			209,118					
External Materials & Services			68,472					
Internal Materials & Services			15,000					
Total Expenditures	277,570	278,201	292,590	337,354	354,222	371,933	390,529	1,746,628
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Neighborhood Livability Program

135th Av & Prescott Ct LID, NE

Total Project Cost:
Dollars for Art:

Area: Southwest
Objective(s): Maintenance, Replacement, Mandate

Project Description

Street and sidewalk improvements from west of NE 136th & Prescott Ct. to north of NE 135th & Whitaker Way

Funding Sources

Local Improvement District Construction	3,900	128,600	641,800	0	0	0	0	641,800
Total Funding Sources	3,900	128,600	641,800	0	0	0	0	641,800

Expenditures

Personal Services			61,060					
Internal Materials & Services			7,000					
Minor Capital Outlay			573,740					
Total Expenditures	3,900	128,600	641,800	0	0	0	0	641,800
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

87th Ave & Columbia Blvd LID, NE

Total Project Cost:
Dollars for Art:

Area: Southwest
Objective(s): Maintenance, Replacement, Mandate

Project Description

Street, sidewalk, and bike lane improvements at and adjacent to the intersection of NE 87th Avenue & Columbia Blvd.

Funding Sources

Local Improvement District Construction	6,574	69,626	290,000	0	0	0	0	290,000
Total Funding Sources	6,574	69,626	290,000	0	0	0	0	290,000

Expenditures

Personal Services			23,240					
Internal Materials & Services			5,000					
Minor Capital Outlay			261,760					
Total Expenditures	6,574	69,626	290,000	0	0	0	0	290,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Bikeway Network Completion, CW

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Replacement

Project Description

Gaps in Portland's 200 miles of existing bikeways present significant barriers to bicyclists. These can be remedied through modest expenditures to address the most critically needed annual improvements. Through construction to close these gaps in the bikeways, bicycling should increase as disincentives to usage are eliminated and connections are improved.

Funding Sources

Discretionary Rev - Ongoing	53,962	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	53,962	50,000	50,000	50,000	50,000	50,000	50,000	250,000

Expenditures

Personal Services			50,000					
Total Expenditures	53,962	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Corbett Traffic Phase III, SW

Total Project Cost: 150,000

Area: Southwest

Dollars for Art: 1,100

Objective(s): Replacement

Project Description

Identify, design, and construct traffic calming and pedestrian crossing improvements in the Lair Hill Neighborhood between SW Hamilton and SW Grover. Streets include SW Corbett, SW Kelly, SW 1st, and SW Naito.

Funding Sources

Discretionary Rev - One-Time	7,315	12,989	137,011	0	0	0	0	137,011
Total Funding Sources	7,315	12,989	137,011	0	0	0	0	137,011

Expenditures

Personal Services			135,011					
Internal Materials & Services			2,000					
Total Expenditures	7,315	12,989	137,011	0	0	0	0	137,011
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
CSTSP Bicycle Safety Improvements								
			Total Project Cost:		300,000		Area:	All Areas
			Dollars for Art:		2,400		Objective(s):	Replacement, Expansion, Efficiency
Project Description								
This project funds bicycle safety improvements and planning for bicycle safety improvements. Examples of projects include bicycle lanes, bike boulevard development and planning, and intersection safety improvements. Projects are selected with the assistance of Portland's Bicycle Advisory Committee and neighborhood associations.								
Funding Sources								
General Fund	0	300,000	200,000	300,000	300,000	300,000	300,000	1,400,000
Discretionary Rev - One-Time	0	0	100,000	0	0	0	0	100,000
Total Funding Sources	0	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
Expenditures								
Personal Services			60,000					
External Materials & Services			120,000					
Minor Capital Outlay			120,000					
Total Expenditures	0	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
CSTSP Ped/Bike Median Island								
			Total Project Cost:		300,000		Area:	All Areas
			Dollars for Art:		2,400		Objective(s):	Replacement, Expansion, Efficiency
Project Description								
This program funds pedestrian median islands across the city. Projects are being prioritized to improve crossing on multi-lane arterials with high speeds, pedestrian demand, and lack of adequate improved crossings. Projects are selected with the assistance of Portland's Pedestrian Advisory Committee and neighborhood associations.								
Funding Sources								
General Fund	0	300,000	200,000	300,000	300,000	300,000	300,000	1,400,000
Discretionary Rev - One-Time	0	0	100,000	0	0	0	0	100,000
Total Funding Sources	0	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
Expenditures								
Personal Services			151,250					
External Materials & Services			28,750					
Minor Capital Outlay			120,000					
Total Expenditures	0	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
CSTSP Residential Purchase									
				Total Project Cost:		200,000			
				Dollars for Art:		1,600			
							Area:	All Areas	
							Objective(s):	Replacement, Expansion, Efficiency	
Project Description									
This program provides a 60% City subsidy for speed-bump projects on qualifying neighborhood streets. The funding for this program allows the City to build 15-25 projects per year. Projects are selected based on known speeding problems and neighborhood requests.									
Funding Sources									
General Fund	0	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Funding Sources	0	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Expenditures									
Personal Services			40,000						
External Materials & Services			80,000						
Minor Capital Outlay			80,000						
Total Expenditures	0	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
CSTSP Safe Routes to School									
				Total Project Cost:		250,000			
				Dollars for Art:		2,000			
							Area:	All Areas	
							Objective(s):	Replacement, Expansion, Efficiency	
Project Description									
This program funds primarily bicycle and pedestrian safety improvements that improve the safety of children walking and biking to school. Examples of projects include adding missing sidewalk connections, pedestrian islands, and intersection safety improvements. Projects are being selected at Portland Eight Safe Route to School pilot schools. The eight pilot schools for the 2005-06 school year include the following elementary schools: Boise-Eliot, Bridlemile, Buckman, Lewis, Vestal, Prescott, Harold Oliver, and Gilbert Park.									
Funding Sources									
General Fund	0	250,000	150,000	250,000	250,000	250,000	250,000	250,000	1,150,000
Discretionary Rev - One-Time	0	0	100,000	0	0	0	0	0	100,000
Total Funding Sources	0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
Expenditures									
Personal Services			61,250						
External Materials & Services			88,750						
Minor Capital Outlay			100,000						
Total Expenditures	0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Foster at Barbara Welch				Total Project Cost:				Area: Southeast
				Dollars for Art:				Objective(s): Expansion
Project Description								
Reconstruct both roadways to provide left-turn lanes, bike lanes, and sidewalk and install a traffic signal. Present and future development in area is creating congestion and safety problems. Proposal to extend urban growth boundary and creation of town center in Damascus area will create additional traffic on Foster Rd.								
Funding Sources								
Public Works/Utility Charge	0	0	1,547,720	0	0	0	0	1,547,720
Total Funding Sources	0	0	1,547,720	0	0	0	0	1,547,720
Expenditures								
Personal Services			171,298					
Internal Materials & Services			22,000					
Minor Capital Outlay			1,314,720					
Fund Balance			39,702					
Total Expenditures	0	0	1,547,720	0	0	0	0	1,547,720
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Foster Rd: 88th - 91st				Total Project Cost:				Area: Southeast
				Dollars for Art: 12,070				Objective(s): Replacement, Expansion, Efficiency
Project Description								
Design and construction of frontage improvements for the Lents Town Center Assurety development project. Project will provide sidewalk and left turn access improvements on SE Foster Rd and Reedway St in the Lents Town Center.								
Funding Sources								
Local Cost Sharing - Portland	0	0	920,600	0	0	0	0	920,600
Total Funding Sources	0	0	920,600	0	0	0	0	920,600
Expenditures								
Personal Services			83,332					
External Materials & Services			202,000					
Internal Materials & Services			4,100					
Minor Capital Outlay			603,500					
Fund Balance			27,668					
Total Expenditures	0	0	920,600	0	0	0	0	920,600
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Office of Transportation

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Foster Streetscape Improvements								
	Total Project Cost:							
	Dollars for Art:			6,449				
Area:	Southeast							
Objective(s):	Replacement, Expansion, Efficiency							
Project Description								
Design and construct sidewalk and streetscape improvements in the commercial core of the Lents Town Center.								
Funding Sources								
Local Cost Sharing - Portland	0	0	700,000	0	0	0	0	700,000
Total Funding Sources	0	0	700,000	0	0	0	0	700,000
Expenditures								
Personal Services			131,424					
Minor Capital Outlay			455,674					
Fund Balance			112,902					
Total Expenditures	0	0	700,000	0	0	0	0	700,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
HEP Project: Linnton, NW								
	Total Project Cost:							
	Dollars for Art:							
Area:	Northwest							
Objective(s):	Efficiency							
Project Description								
The purpose of the project is to improve pedestrian safety across US 30 in the Linnton community. The project will upgrade two existing traffic signals at NW 105th and NW 107th Aves to improve driver recognition of the signals, and add new crosswalks, curb ramps and a curb extension at the NE corner of 107th Ave intersection. The project will also provide an signal interconnection with a railroad crossing on 107th Ave east of US to improve traffic safety.								
Funding Sources								
Federal Grants Fund	17,546	60,850	421,604	0	0	0	0	421,604
Discretionary Rev - Ongoing	50,000	0	0	0	0	0	0	0
Total Funding Sources	67,546	60,850	421,604	0	0	0	0	421,604
Expenditures								
Personal Services			59,686					
Internal Materials & Services			5,000					
Minor Capital Outlay			339,897					
Fund Balance			17,021					
Total Expenditures	67,546	60,850	421,604	0	0	0	0	421,604
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Interstate Livability Project			Total Project Cost:					Area: North
			Dollars for Art:					Objective(s): Expansion
Project Description								
Plan, design and construct neighborhood transportation improvements identified by the Interstate Corridor Urban Renewal Advisory Committee (ICURAC).								
Funding Sources								
Local Cost Sharing - Portland	30,965	117,742	117,000	117,000	117,000	117,000	117,000	585,000
Total Funding Sources	30,965	117,742	117,000	117,000	117,000	117,000	117,000	585,000
Expenditures								
Personal Services			39,875					
External Materials & Services			8,800					
Minor Capital Outlay			68,325					
Total Expenditures	30,965	117,742	117,000	117,000	117,000	117,000	117,000	585,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Kerby/I-405, N			Total Project Cost:					Area: North
			Dollars for Art:					Objective(s): Efficiency
Project Description								
The purpose of this project is to improve emergency vehicle access to Emanuel Hospital. Currently, there is one travel lane from the I-405/Kerby off ramp connecting to the N Kerby intersection. The project will construct an additional off-ramp travel lane that will allow emergency response vehicles to bypass the existing vehicle queue.								
Funding Sources								
Federal Grants Fund	0	0	414,485	0	0	0	0	414,485
Public Works/Utility Charge	19,686	221,316	8,998	0	0	0	0	8,998
Total Funding Sources	19,686	221,316	423,483	0	0	0	0	423,483
Expenditures								
Personal Services			54,831					
Internal Materials & Services			4,000					
Minor Capital Outlay			347,733					
Fund Balance			16,919					
Total Expenditures	19,686	221,316	423,483	0	0	0	0	423,483
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Office of Transportation

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Lents TC: 92nd Ave., SE

Total Project Cost: 2,808,238 **Area:** Southeast
Dollars for Art: 30,948 **Objective(s):** Replacement

Project Description

The purpose of this project is to provide full street improvements to the section of 92nd Ave between SE Powell and Holgate Blvds, consistent with the Lents Town Center Urban Renewal Plan. The project will upgrade the existing center-striped paved street with sidewalks, bicycle lanes, street trees, and stormwater drainage, along with upgrading the road bed.

Funding Sources

Federal Grants Fund	0	0	1,000,000	0	0	0	0	1,000,000
Local Cost Sharing - Portland	102,271	610,000	1,912,000	0	0	0	0	1,912,000
Total Funding Sources	102,271	610,000	2,912,000	0	0	0	0	2,912,000

Expenditures

Personal Services			204,510					
Internal Materials & Services			29,660					
Minor Capital Outlay			2,595,290					
Fund Balance			82,540					
Total Expenditures	102,271	610,000	2,912,000	0	0	0	0	2,912,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Lents TC: Neighborhood Sts, SE

Total Project Cost: **Area:** Southeast
Dollars for Art: **Objective(s):** Replacement

Project Description

Assist PDC with LID formation and administration, street design, and construction services for improvement of local neighborhood streets in the Lents Urban Renewal District.

Funding Sources

Water Bureau	0	0	250,000	0	0	0	0	250,000
Local Improvement District Construction	0	0	542,000	0	0	0	0	542,000
Local Cost Sharing - Portland	286,638	30,000	1,699,600	0	0	0	0	1,699,600
Total Funding Sources	286,638	30,000	2,491,600	0	0	0	0	2,491,600

Expenditures

Personal Services			168,880					
External Materials & Services			21,588					
Internal Materials & Services			104,232					
Minor Capital Outlay			2,196,900					
Total Expenditures	286,638	30,000	2,491,600	0	0	0	0	2,491,600
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Lents TC: Traffic Safety, SE				Total Project Cost:				Area: Southeast
				Dollars for Art:		5,764		Objective(s): Efficiency
Project Description								
Implements the Lents Traffic Safety Plan to improve multi-modal safety and neighborhood livability within the Lents Town Center Urban Renewal District. Specific improvement projects from the Lents Traffic Safety Plan will be identified when the overall project is initiated. Potential projects include: modifications to the SE 84th/ Foster Rd /Ellis intersection, installation of a safety beacon at the intersection of SE Harold/111th Ave, and curb extensions at the SE Insley/84th intersection.								
Funding Sources								
Local Cost Sharing - Portland	121,439	150,000	150,000	0	0	0	0	150,000
Total Funding Sources	121,439	150,000	150,000	0	0	0	0	150,000
Expenditures								
Personal Services			53,560					
Internal Materials & Services			8,500					
Minor Capital Outlay			68,075					
Fund Balance			19,865					
Total Expenditures	121,439	150,000	150,000	0	0	0	0	150,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
MLK Corridor Engr & Const, NE				Total Project Cost:		1,117,200		Area: Northeast
				Dollars for Art:		16,344		Objective(s): Replacement
Project Description								
The project will construct Phase 4 of the Martin Luther King Jr. Boulevard street improvements. Construction will occur from Alberta to Killingsworth Streets. Improvements will include street trees, ornamental lights, and street modifications to allow for on-street parking.								
Funding Sources								
Local Cost Sharing - Portland	1,300,125	1,117,200	110,000	0	0	0	0	110,000
Discretionary Rev - One-Time	796,552	0	0	0	0	0	0	0
Total Funding Sources	2,096,677	1,117,200	110,000	0	0	0	0	110,000
Expenditures								
Personal Services			35,000					
Internal Materials & Services			500					
Minor Capital Outlay			74,500					
Total Expenditures	2,096,677	1,117,200	110,000	0	0	0	0	110,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Ped Infill & Network Completion

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Replacement

Project Description

Gaps in Portland's existing pedestrian network, including sidewalks, trails, and crossing improvements, present significant barriers to pedestrians. These barriers can be remedied through modest expenditures to address the most critically needed improvements on an annual basis. Through construction to close these gaps in the pedestrian network, pedestrian activity should increase as barriers to usage are eliminated and connections are improved. Eligible projects are identified in the Pedestrian Master Plan, the Transportation System Plan, including the Reference List, and through citizen and staff review. Projects that are able to use these funds as leverage with other capital and funding partners are encouraged.

Funding Sources

Transportation Operating Fund	0	0	0	0	0	0	0	0
Discretionary Rev - Ongoing	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000

Expenditures

Personal Services			2,500					
External Materials & Services			22,500					
Minor Capital Outlay			25,000					
Total Expenditures	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000

Operating & Maintenance Costs

	0	0	0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Texas Green Street LID, SW

Total Project Cost:

Area: Southwest

Dollars for Art:

Objective(s): Maintenance, Replacement, Mandate

Project Description

Street, sidewalk, and stormwater improvements in area bounded by SW 29th Ave., SW 26th Ave., north of SW Nevada Ct. and south of SW California St.

Funding Sources

Local Improvement District Construction	39,400	122,100	758,700	0	0	0	0	758,700
Total Funding Sources	39,400	122,100	758,700	0	0	0	0	758,700

Expenditures

Personal Services			88,732					
Internal Materials & Services			520					
Minor Capital Outlay			669,448					
Total Expenditures	39,400	122,100	758,700	0	0	0	0	758,700

Operating & Maintenance Costs

	0	0	0	0	0	0	0	0
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Prior Years	Revised	Adopted	Capital Plan				5-Year Total
	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Preservation & Rehabilitation Program

23rd: Burnside-Lovejoy, NW

Total Project Cost:

Area: Northwest

Dollars for Art:

Objective(s): Replacement

Project Description

Pavement on NW 23rd Ave between W Burnside and NW Lovejoy has deteriorated beyond the stage of what reasonable maintenance can provide. Approximately 15,000 vehicles use the roadway each day, and the roadway improvements are necessary to ensure access and maintain the vitality of the neighborhood. Reconstruction between the existing curbs will allow for a 20-plus year lifespan of the pavement. The project was initially planned for work along NW 23rd from Burnside to Lovejoy. However, the project's budget will not be able to cover the costs for this length, and estimates indicate that the project will complete work from four to six blocks in length from W Burnside to Glisan, Hoyt or Irving Streets. PDOT will come back at a future date when funds are available to complete the project to Lovejoy Street. The project will design and reconstruct the roadway between the existing curbs, install stormwater facilities, and build new curb ramps at corners. Additional items of work may be included in the project depending on feasibility and available funding. A stakeholder committee of neighborhood residents and business owners are guiding the development of the project and identifying resources for additional work. Design will begin in March 2006 and construction is scheduled to begin in early 2007.

Funding Sources

Federal Grants Fund	102,060	223,192	357,233	85,000	0	0	0	442,233
Discretionary Rev - Ongoing	19,891	0	0	0	0	0	0	0
Discretionary Rev - One-Time	2,934	0	141,624	0	0	0	0	141,624
Total Funding Sources	124,885	223,192	498,857	85,000	0	0	0	583,857

Expenditures

Personal Services			244,045					
External Materials & Services			142,624					
Internal Materials & Services			67,946					
Minor Capital Outlay			10,000					
Fund Balance			34,242					
Total Expenditures	124,885	223,192	498,857	85,000	0	0	0	583,857
Operating & Maintenance Costs			0	0	0	0	0	0

Prior Years	Revised	Adopted	Capital Plan				5-Year Total
	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

33rd Over Columbia Sl (w1/2), NE

Total Project Cost:

Area: Northeast

Dollars for Art:

Objective(s): Replacement

Project Description

This is a companion bridge to the NE 33rd Dr Over Columbia Slough (East 1/2) OTIA I project. The existing pair of bridges will be replaced with a single span bridge.

Funding Sources

State Cost Sharing	171,968	894,424	772,608	0	0	0	0	772,608
Total Funding Sources	171,968	894,424	772,608	0	0	0	0	772,608

Expenditures

Personal Services			47,909					
External Materials & Services			16,875					
Internal Materials & Services			2,700					
Minor Capital Outlay			705,124					
Total Expenditures	171,968	894,424	772,608	0	0	0	0	772,608
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

33rd Over Lombard & UPRR, NE

Total Project Cost:

Area: Northeast

Dollars for Art:

Objective(s): Maintenance

Project Description

NE 33rd Ave bridge over NE Lombard St and UPRR tracks. This bridge is currently posted due to insufficient capacity of the main span and south approach spans. The project will address and restore capacity by replacing main span over Lombard and overlaying the remaining bridge deck.

Funding Sources

State Cost Sharing	335,202	1,689,616	1,480,691	0	0	0	0	1,480,691
Total Funding Sources	335,202	1,689,616	1,480,691	0	0	0	0	1,480,691

Expenditures

Personal Services			47,909					
External Materials & Services			16,875					
Internal Materials & Services			2,700					
Minor Capital Outlay			1,413,207					
Total Expenditures	335,202	1,689,616	1,480,691	0	0	0	0	1,480,691

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Burgard Rd Over Abandon RR, N

Total Project Cost:

Area: North

Dollars for Art:

Objective(s): Replacement

Project Description

Existing bridge will be removed and will be replaced with a culvert, retaining walls, and lightweight fill. Funding source is OTIA III.

Funding Sources

State Cost Sharing	17,405	127,763	1,299,832	0	0	0	0	1,299,832
Total Funding Sources	17,405	127,763	1,299,832	0	0	0	0	1,299,832

Expenditures

Personal Services			183,274					
Internal Materials & Services			6,500					
Minor Capital Outlay			1,110,058					
Total Expenditures	17,405	127,763	1,299,832	0	0	0	0	1,299,832

Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
CBD Cable Replacement, SW/NW				Total Project Cost:	400,000			Area: All Areas
				Dollars for Art:	6,300			Objective(s): Replacement
Project Description								
Many of the twin traditional streetlighting systems in the central city had direct burial/lead-jacketed power cables. These cables have corroded and cause erratic streetlight power and operation. This project will continue replacing this lead jacketed cable with new copper wire in conduits.								
Funding Sources								
General Fund	1,300,000	400,000	350,000	400,000	400,000	400,000	400,000	1,950,000
Total Funding Sources	1,300,000	400,000	350,000	400,000	400,000	400,000	400,000	1,950,000
Expenditures								
Personal Services			5,000					
External Materials & Services			25,000					
Minor Capital Outlay			320,000					
Total Expenditures	1,300,000	400,000	350,000	400,000	400,000	400,000	400,000	1,950,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
ESA Culvert Replacement				Total Project Cost:			Area: All Areas	
				Dollars for Art:			Objective(s): Replacement	
Project Description								
Replace culverts based on Citywide ranking of culverts that block fish passage. Use bottomless arch culvert or bridge to make improvements. Using PDOT and BES money normally sent to ESA program for funding. Also apply for OWEB grants to leverage City funds.								
Funding Sources								
Environmental Services	46,008	74,011	50,000	50,000	50,000	50,000	50,000	250,000
Discretionary Rev - Ongoing	46,008	74,011	50,000	50,000	50,000	50,000	50,000	250,000
Total Funding Sources	92,016	148,022	100,000	100,000	100,000	100,000	100,000	500,000
Expenditures								
Personal Services			100,000					
Total Expenditures	92,016	148,022	100,000	100,000	100,000	100,000	100,000	500,000
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Office of Transportation

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Foster Rd Over Johnson Creek, SE

Total Project Cost:

Area: Southeast

Dollars for Art:

Objective(s): Replacement

Project Description

Replace the existing bridge carrying the eastbound lane of Foster Rd. Existing bridge will be removed, and additional width will be added to the bridge currently carrying westbound traffic to accommodate eastbound traffic. SDC funds will be used to install a traffic signal at intersection east of bridge. Both projects will be bid as a single contract to save costs. The bridge funding source is OTIA III.

Funding Sources

State Cost Sharing	35,988	54,644	300,000	750,000	280,368	0	0	1,330,368
Total Funding Sources	35,988	54,644	300,000	750,000	280,368	0	0	1,330,368

Expenditures

Personal Services			146,989					
Internal Materials & Services			1,000					
Minor Capital Outlay			152,011					
Total Expenditures	35,988	54,644	300,000	750,000	280,368	0	0	1,330,368
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

MLK Viaduct, SE

Total Project Cost:

Area: Southeast

Dollars for Art:

Objective(s): Replacement

Project Description

The Martin Luther King Viaduct project will replace Martin Luther King viaduct over the Union Pacific Railroad from SE Mill St. to SE Brooklyn St. The project will be constructed by the Oregon Department of Transportation. The Portland Office of Transportation will provide construction services and oversee project construction. The project will be in construction throughout FY 2006-07 fiscal year.

Funding Sources

Federal Grants Fund	85,733	59,075	64,312	64,670	67,904	45,774	0	242,660
Discretionary Rev - Ongoing	84,499	0	0	0	0	0	0	0
Total Funding Sources	170,232	59,075	64,312	64,670	67,904	45,774	0	242,660

Expenditures

Personal Services			52,808					
Internal Materials & Services			500					
Fund Balance			11,004					
Total Expenditures	170,232	59,075	64,312	64,670	67,904	45,774	0	242,660
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Naito Pkwy: Davis-Market SW, NW				Total Project Cost:	12,328,379			Area: West
				Dollars for Art:	65,665			Objective(s): Maintenance, Efficiency
Project Description								
Federal funding to reconstruct Naito Parkway from Davis to Market. Addition of bike lanes, improvement of ramps to ADA standards, and stormwater treatment and drainage.								
Funding Sources								
Water Bureau	0	767,971	329,131	0	0	0	0	329,131
BFRES Facilities Bond Const Fund	0	0	292,572	0	0	0	0	292,572
Federal Grants Fund	595,925	4,184,046	1,952,030	0	0	0	0	1,952,030
Local Cost Sharing - Portland	260,254	464,894	1,558,126	0	0	0	0	1,558,126
Discretionary Rev - One-Time	88,836	361,952	1,427,642	45,000	0	0	0	1,472,642
Total Funding Sources	945,015	5,778,863	5,559,501	45,000	0	0	0	5,604,501
Expenditures								
Personal Services			539,662					
Internal Materials & Services			74,585					
Minor Capital Outlay			4,791,339					
Fund Balance			153,915					
Total Expenditures	945,015	5,778,863	5,559,501	45,000	0	0	0	5,604,501
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Paving Preservation Program				Total Project Cost:	1,000,000			Area: All Areas
				Dollars for Art:	10,000			Objective(s): Maintenance, Replacement
Project Description								
Under the 4R (Resurface, Restore, Rehabilitate, Reconstruct) Program the first task is to perform a detailed pavement analysis and cost estimate to determine the extent and value of the needed improvements. The next task is to proceed with assembling the contract documents (final plans, specifications, and engineer's estimate) for the project. Concurrent with the design effort staff meet with and inform the various neighborhood and business groups within the project boundaries of the pending project. Staff solicits comments and concerns from the public that will aid in developing plans and specifications having the least impact on residents, patrons, and the traveling public during construction as possible. Finally, the last task is to solicit construction bids, enter into a contract with a responsible and responsive contractor, and proceed with constructing the improvements. Staff maintains the public's involvement by providing periodic construction updates and meeting with individuals on an as-needed basis to resolve access or other project related issues. Staff also works with the contractor to coordinate the various work efforts and activities to minimize the impacts to both the residents and the traveling public.								
Funding Sources								
Discretionary Rev - Ongoing	0	2,400,000	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	9,000,000
Total Funding Sources	0	2,400,000	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	9,000,000
Expenditures								
Personal Services			500,000					
Minor Capital Outlay			500,000					
Total Expenditures	0	2,400,000	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	9,000,000
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Office of Transportation

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Sellwood Bridge			Total Project Cost:					Area: Southeast
			Dollars for Art:					Objective(s): Replacement
Project Description								
Project to examine alternatives to addressing the structural problems to the Sellwood Bridge. Multnomah County is the lead agency. First phase of the project is to examine alternatives and prepare required federal environmental studies. Options could include rehabilitation of the existing bridge and a new bridge.								
Funding Sources								
Local Cost Sharing	0	0	62,500	0	0	0	0	62,500
Total Funding Sources	0	0	62,500	0	0	0	0	62,500
Expenditures								
Personal Services			62,500					
Total Expenditures	0	0	62,500	0	0	0	0	62,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Signal Communication System			Total Project Cost: 100,000					Area: All Areas
			Dollars for Art: 1,500					Objective(s): Replacement, Efficiency
Project Description								
Continuing program of installing cable to connect individual traffic signals to the central control computer. Central control allows improvements to traffic signal timings and allows monitoring of malfunctioning lights to speed necessary repairs. This improves traffic flow and safety, and reduces air pollution and fuel consumption. This work dovetails with ODOT's freeway management system work.								
Funding Sources								
Discretionary Rev - Ongoing	107,278	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Total Funding Sources	107,278	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Expenditures								
Personal Services			54,117					
External Materials & Services			45,883					
Total Expenditures	107,278	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Signal Reconstruction, NI

Total Project Cost: 570,000 **Area:** All Areas
Dollars for Art: 9,400 **Objective(s):** Maintenance, Replacement

Project Description

Currently over 200 signalized intersections have exceeded their useful life, and are in need of complete remodeling to eliminate the need for emergency repairs due to the age and deteriorated condition of signals. Work involves replacing deteriorated cables, signal heads, lights, poles, etc. This work is needed to reduce the potential for signals falling down and to reduce associated maintenance costs.

Funding Sources

Discretionary Rev - Ongoing	293,696	567,000	570,000	570,000	570,000	570,000	570,000	2,850,000
Discretionary Rev - One-Time	0	15,029	0	0	0	0	0	0
Total Funding Sources	293,696	582,029	570,000	570,000	570,000	570,000	570,000	2,850,000

Expenditures

Personal Services			336,047					
External Materials & Services			138,583					
Minor Capital Outlay			95,370					
Total Expenditures	293,696	582,029	570,000	570,000	570,000	570,000	570,000	2,850,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Safety & Congestion Mgmt Program

82nd Ave ITS

Total Project Cost: **Area:** East
Dollars for Art: **Objective(s):** Replacement, Efficiency

Project Description

This project will construct ITS infrastructure along NE/SE 82nd avenue from NE Killingsworth to SE Flavel. The project will install electronic message signs, CCTV cameras, traffic monitoring stations, and fiber communications, and integrate these devices with the City's, ODOT's, and TriMet's Transportation Operations Centers. When these devices are installed, City staff will work with ODOT staff to improve traffic operations in the I-205/82nd Avenue corridor, especially during incidents on I-205.

Funding Sources

Federal Grants Fund	0	0	514,000	0	0	0	0	514,000
Discretionary Rev - One-Time	0	0	59,692	0	0	0	0	59,692
Total Funding Sources	0	0	573,692	0	0	0	0	573,692

Expenditures

Personal Services			29,152					
Minor Capital Outlay			544,540					
Total Expenditures	0	0	573,692	0	0	0	0	573,692
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Office of Transportation

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Future HEP Projects								
	Total Project Cost:							Area: All Areas
	Dollars for Art:							Objective(s): Expansion, Efficiency
Project Description								
City staff will continue to submit safety project grant applications to ODOT for the HEP program.								
Funding Sources								
Discretionary Rev - Ongoing	0	0	75,000	75,000	75,000	75,000	75,000	375,000
Total Funding Sources	0	0	75,000	75,000	75,000	75,000	75,000	375,000
Expenditures								
External Materials & Services			75,000					
Total Expenditures	0	0	75,000	75,000	75,000	75,000	75,000	375,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
N Lombard at Portsmouth HEP, N								
	Total Project Cost:							Area: North
	Dollars for Art:							Objective(s): Maintenance, Replacement, Efficiency
Project Description								
Replace traffic signal, and install curb extension to improve signal visibility and phasing. Proposed improvements will reduce crashes.								
Funding Sources								
Federal Grants Fund	0	0	50,000	0	0	0	0	50,000
Total Funding Sources	0	0	50,000	0	0	0	0	50,000
Expenditures								
External Materials & Services			50,000					
Total Expenditures	0	0	50,000	0	0	0	0	50,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
NE Sandy at 57th HEP, NE								
	Total Project Cost:							Area: Northeast
	Dollars for Art:							Objective(s): Maintenance, Replacement, Efficiency
Project Description								
Replace old, obsolete traffic signal, and install pedestrian amenities.								
Funding Sources								
Federal Grants Fund	0	0	0	300,000	0	0	0	300,000
Discretionary Rev - One-Time	0	0	25,000	0	0	0	0	25,000
Total Funding Sources	0	0	25,000	300,000	0	0	0	325,000
Expenditures								
External Materials & Services			25,000					
Total Expenditures	0	0	25,000	300,000	0	0	0	325,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5--Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Special Projects Program

I-205 LRT

Total Project Cost:

Area: East

Dollars for Art:

Objective(s): Mandate

Project Description

Facilitate through the City the design and construction of a new light rail transit system along the I-205 corridor from Gateway to Clackamas Town Center by TriMet. City jurisdictional limits end at approximately 92nd Ave intersection with Crystal Springs Blvd. Project will be in FY 2005-06 and under construction in FY 2006-07, FY 2008-09 and the first quarter of FY 2009-10. Revenue service slated for fall 2009.

Funding Sources

Federal Grants Fund	28,575	145,145	82,938	62,747	62,747	29,470	0	237,902
Total Funding Sources	28,575	145,145	82,938	62,747	62,747	29,470	0	237,902

Expenditures

Personal Services			82,938					
Total Expenditures	28,575	145,145	82,938	62,747	62,747	29,470	0	237,902
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5--Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Milwaukie Transit Corridor Study

Total Project Cost:

Area: Southeast

Dollars for Art:

Objective(s): Expansion

Project Description

Milwaukie Transit Corridor project is a transportation corridor alternative analysis to evaluate high capacity transit options in the corridor between downtown Milwaukie and downtown Portland.

Funding Sources

Local Cost Sharing - Metro	0	0	65,000	0	0	0	0	65,000
Discretionary Rev - One-Time	0	300,000	300,000	0	0	0	0	300,000
Total Funding Sources	0	300,000	365,000	0	0	0	0	365,000

Expenditures

Personal Services			55,000					
External Materials & Services			310,000					
Total Expenditures	0	300,000	365,000	0	0	0	0	365,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5--Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

MTIP/OTIA Program Match Fund

Total Project Cost:

Area: All Areas

Dollars for Art:

Objective(s): Efficiency

Project Description

Provides matching funds for OTIA projects that may be awarded to the City through the regional funding process in FY 2007-08 and FY 2008-09.

Funding Sources

Discretionary Rev - Ongoing	0	0	0	190,332	164,917	420,271	414,785	1,190,305
Total Funding Sources	0	0	0	190,332	164,917	420,271	414,785	1,190,305

Expenditures

Total Expenditures	0	0	0	190,332	164,917	420,271	414,785	1,190,305
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
SmartMeters Installation				Total Project Cost:	1,125,000		Area:	Southwest
				Dollars for Art:	20,700		Objective(s):	Efficiency
Project Description								
Provide multi-space meters to regulate on-street parking in South Waterfront development and new neighborhood parking benefit districts.								
Funding Sources								
Bond and Note Sales	0	0	1,125,000	375,000	0	0	0	1,500,000
Total Funding Sources	0	0	1,125,000	375,000	0	0	0	1,500,000
Expenditures								
Personal Services			90,000					
Minor Capital Outlay			1,035,000					
Total Expenditures	0	0	1,125,000	375,000	0	0	0	1,500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Sunderland Yard				Total Project Cost:			Area:	Northeast
				Dollars for Art:			Objective(s):	Maintenance
Project Description								
Develop the recently acquired lot for the expansion of the recycling activities, i.e. recycling sweeper debris. The development will require conditional use permits, permit applications, soil sample testing, haul road construction, and planning.								
Funding Sources								
Bond and Note Sales	0	200,000	800,000	0	0	0	0	800,000
Total Funding Sources	0	200,000	800,000	0	0	0	0	800,000
Expenditures								
Personal Services			50,000					
Minor Capital Outlay			750,000					
Total Expenditures	0	200,000	800,000	0	0	0	0	800,000
Operating & Maintenance Costs			0	0	0	0	0	0



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Office of Management & Finance

Legislative, Administrative, and Support Service Area

Overview and Financial Tables

BUREAU SUMMARY

OMF Mission

Leadership, Management, Stewardship: Supporting the administrative and operational needs of the City to enhance quality service delivery to the public.

Capital Improvement Plan Highlights

New Structure

OMF has organized its Capital Improvement Plan (CIP) to better match its organizational structure and the structure to be used in its Adopted Budget. This structure has the plan broken down by organizational divisions. These divisions include Technology Services, Facilities Services, Parking Facilities, and Citywide Projects. Within each of these divisions are CIP programs.

Funded and unfunded projects

The projects listed in the financial tables are those that have identified funding sources for FY 2006-07, or that are funded from the General Fund. The identified funding sources include:

- ◆ Interagency rates in the case of Facilities major maintenance projects and 800 MHz system major maintenance projects
- ◆ Technology reserve for other Bureau of Technology Services (BTS) projects
- ◆ Parking fees for parking facilities projects
- ◆ General Obligation (GO) bond proceeds and money from the Portland Development Commission for Fire & Rescue GO Bond projects
- ◆ Debt for the Enterprise Business System project
- ◆ Interagency agreements with customer bureaus for projects at their request

The following projects are funded from the General Fund's capital set aside.

- ◆ BTS - 800 MHz radio system tower maintenance.
- ◆ BTS - 800 MHz radio system replacement study.

The following needed projects are unfunded at this time. The City Council has directed that a coordinated funding and implementation approach be used for these projects:

- ◆ BTS - 800 MHz radio system replacement
- ◆ BTS/(Bureau of Emergency Communications (BOEC) - Computer-Aided Dispatch (CAD) replacement
- ◆ BTS/Police - Portland Police Data System (PPDS) replacement

The following projects are unfunded and are over a longer time frame than this five-year plan.

- ◆ Facilities Services - Police master plan and Union Station projects

Additionally, the costs of all BTS projects, except 800 MHz radio system projects, are unfunded after FY 2006-07. These projects are funded through the technology reserve which will be exhausted at the end of FY 2006-07.

The following items may become projects in the timeframe of this plan and are discussed in the program narratives:

- ◆ Improvements to 10th and Yamhill parking garage elevators, HVAC systems, and retail and adjacent spaces
- ◆ Moves and tenant improvements to office space in the 1900 and Portland Buildings to maximize use of City-owned facilities and improve adjacencies of space

BTS projects

The BTS CIP is designed to address the range of critical infrastructure deployed by BTS to support voice and data communications, computer operations, information security, and critical application systems.

BTS Technology Reserve

As a result of the 800 MHz rates being the only BTS rates with a replacement/major maintenance component, the only real source of funding available for many BTS projects is the fund's technology/capital reserve. This reserve was established to fund projects in programs with no capital component in their rates. The reserve is funded through any net income from rates the fund charges for its services. Net income can come from spending less than the budget or increasing the number of services to a customer. However, the reserve cannot fund all of the capital needs of the programs that do not have a capital component in their rates. After funding the replacement of the Council Crest tower in FY 2005-06 and other immediate needs, the reserve is projected to have a balance of \$1.1 million at the beginning of FY 2006-07. The fund has \$5.4 million of needs from this reserve.

Fire & Rescue Facilities General Obligation Bond Projects

In November 1998, Portland voters supported a facility upgrade for Portland Fire & Rescue. This upgrade includes the renovation of 23 fire stations, the construction of seven new stations, and a new Station 1/Administration building. By the end of FY 2008-09 the program will be completed and all objectives of the measure met.

Police Facilities

Police precinct facilities, all built or renovated during the 1990s, are now requiring regular major maintenance projects. The Police program is dominated by numerous projects funded through designated major maintenance funds from rental rates.

This CIP includes one project from the recently completed Police facilities master plan - the relocation of the Police Property Warehouse. Other projects from the plan are unfunded, but discussed in the narrative.

EBS

The OMF CIP includes the project to replace IBIS with a new enterprise business system. Significant progress will be made in FY 2006-07.

Issues**Replacement/Major Maintenance Funding**

The infrastructure assets in the Technology Services and Facilities Services funds are significantly under funded for replacement and major maintenance. Facilities Services rental rates now collect only 1.5% of building replacement value each year for major maintenance; this is down from 2.2% in previous years, and the industry standard of 3%. In BTS, only one program, the 800 MHz system, has a replacement and/or major maintenance component in its rates. Additionally, the major maintenance portion of the 800 MHz core system is low (2% compared to 5% industry standard) and has had to be supplemented by General Fund Capital Set-Aside money for the last several years.

800 MHz radio system

The City is in the process of implementing a financial strategy to provide funding for replacement of the radio system. Replacement planning is funded in FY 2006-07. In the past year, BTS has worked with BOEC to promote a regional replacement strategy. Letters of support from Clackamas, Washington, Clark, and Columbia Counties were received for a grant application to fund the initial core of such a regional system. While the grant has not been funded, the approach is the starting point for a regional interoperability plan to be completed this year by a consultant. The approved interoperability plan is a critical element to obtaining future federal support in the system replacement. Recent congressional action has identified funding to support such system replacements to improve first responder interoperability.

Critical bureau applications

The most critical bureau-related applications that may need replacement (or migrated to a new platform and/or code base) within the CIP five-year time frame are the CAD application and PPDS. Funding for these system replacements is not included in this CIP; funding for the initial study on the CAD system was included in the FY 2005-06 Public Safety Fund. Funding for a further examination of migration options for PPDS is funded by the Police Bureau CIP.

10th and Yamhill Parking Garage Improvements

OMF is working with PDC on making improvements to the 10th and Yamhill garage as part of an effort to improve the area around the garage. The garage is in the West End tax increment district and improvements could be funded from it. The improvements would be primarily to the ground floor retail space and involve moving the elevators to improve corners of the facility. The current financial plan being discussed has the fund paying \$3.5 million out of its major maintenance account. Tax increment funding will cover the balance. The risk to the fund for this project is that additional revenues from the new space will not cover the 56 parking spaces lost as a result of moving the elevators and reconfiguring the commercial space. The other risk to the fund is that the project costs more than its budget. Finalizing this deal with PDC will need to address these risks to the City.

Office Space Restacking

In fall 2005 Council approved an ordinance requiring bureaus to rent City space first if available before leasing to prevent City buildings from having vacant space while bureaus leased space in privately-owned buildings.

Presently, the 1900 Building has 30,000 square feet of vacant space. For the short-term, the cost of the vacant space in the 1900 Building is being absorbed by its major maintenance account. The account covered the net loss in FY 2003-04 and FY 2004-05. However, this cannot continue, and the account would be drained by FY 2007-08 if the space remains vacant.

Facilities Services completed an overall space plan that addresses space issues in the Portland Building and the 1900 Building. The capital budget includes move and tenant improvement projects identified in the space plan.

Relocation of Police Property Warehouse

A significant project included in the Police Master Plan is the relocation of the Property Warehouse. The Property Warehouse is the Police Bureau's greatest maintenance liability, the most costly to maintain, and operationally inefficient because of the building's condition and space configuration. A comprehensive plan for this project is complete and highlights are listed below.

The project would move the warehouse from its present building located at SW 17th and Jefferson to BES-owned Guilds Lake commercial property. Based on a recent appraisal, funds from selling the SW 17th and Jefferson site would cover the cost of the project. The Police Bureau's major maintenance account may be used as interim finding to cover the costs of the project until the site is sold. The Police major maintenance account has adequate funds to cover these costs on an interim basis. The project would be done in FY 2006-07 with occupancy in FY 2007-08 by Police.

Police Master Facilities Plan

The Police Bureau completed a Facilities Master Plan in FY 2004-05. The plan identifies the need for the following over the next 20 years as a result of changing demographics and facility needs:

- ◆ Two new precincts, serving SW and outer SE Portland
- ◆ Two new support facilities - Replace property warehouse and construct a training academy
- ◆ Replacement of three existing facilities - North and Central precincts and Traffic which is currently in leased space

At the current time, this plan is not funded.

Changes from Prior Year

This OMF CIP is completely different from last year's plan in that all of the projects have been reevaluated and prioritized, and new projects have been added based on current City business needs. The following is a list of the major changes since last years plan:

- ◆ BTS is proposing the 800 MHz radio system be replaced in the five-year timeframe of this CIP, but funding is identified for only a preliminary study.
- ◆ The Police Bureau's facility master plan has been completed. Only one project has a funding source and is included in this CIP. That project is the relocation of the Police Property Warehouse and is funded through the sale of the existing facility's site at SW 17th and Jefferson. The increase in value of this site has made this project financially feasible in the last year.
- ◆ The Records Center will have an improvement project.
- ◆ Several relocation projects involving a number of bureaus and the Columbia Center facility, the 1900 Building, and the Portland Building are funded in FY 2006-07.
- ◆ Facilities Services is in the process of examining and prioritizing all Union Station projects and working with PDC on funding. For this CIP, only completion of a grant-funded project is included, and a more comprehensive, and funded, plan will be submitted for the FY 2008-12 CIP.

STRATEGIC DIRECTION**Council Goals and Priorities**

The CIP supports the following City Council goals and objectives:

- ◆ Buildings that are appropriately sited, well designed, and well maintained contribute to Portland's livability. Projects within this CIP are a result of good planning and the City's commitment to planning and well-managed growth.
- ◆ The 800 MHz component of BTS's CIP supports the City goal of well-sited, adequate public safety and emergency response facilities that promote a safe and peaceful community. As public safety response is becoming more data dependent, the health of the City's data network gains in criticality. Aging public safety systems and applications pose a risk to future public safety operations.
- ◆ City of Portland buildings in the downtown area, including City Hall, the 1900 Building, and the Portland Building, help keep downtown vital.
- ◆ Infrastructure maintenance is vital to the City's long-term fiscal health, stability, and its ability to deliver services.
- ◆ The Smart Park garages ensure a supply of economical short-term parking spaces for visitors to the downtown area, thereby contributing to the economic vitality in the downtown area. This conforms to the City's goal of promoting economic vitality and opportunity. It is important, therefore, to keep up on required maintenance for the aging parking structures. Union Station and the Smart Park Garages contribute to the City's commitment to having a rational and functional multi-modal transportation system.
- ◆ The Parking Facilities Fund also supports the Council's goal of Providing Multi-modal Transportation Choices by its payment of the annual debt obligation for the Downtown Streetcar construction bonds.

City Comprehensive Plan

This CIP evolves from and supports the City's overall land use and facility plans. Three program areas are particularly sensitive to comprehensive community planning:

- ◆ **Police:** The siting and organization of public safety response is based largely on the City's physical size, growth, density, and demographic patterns. The Police Bureau Master Plan effort is closely connected to the City's growth projections and geographical form.
- ◆ **Portland Fire & Rescue:** The siting and adaptation of Fire & Rescue stations is highly dependent on neighborhood boundaries and neighborhood preferences. The foundation of the Fire Management Area (FMA) is the City's comprehensive land use plan and the regularly produced response time study. The study completed by TriData in 1997 was key in identifying the general location of the new fire stations that are now being built.
- ◆ **Downtown Buildings:** The Portland Building, City Hall, the Justice Center, and the 1900 Building were all sited based on identified preferences in the downtown plan, particularly for the three located in the designated "government center" within downtown. The 1900 Building was sited and operates as part of the University Center Plan, supporting the south end of downtown and sharing the area with Portland State University (PSU).
- ◆ **Union Station:** This facility was originally part of a larger land purchase made with the objective of advancing the goals of both the South Waterfront and the River District Urban Renewal Area. Keeping the station useful and ready to enter a future phase of enhanced use as a multi-modal transportation hub is one objective of this CIP. Someday, Union Station will become an important link in the City's comprehensive transportation objectives.

Management Direction

For this capital plan OMF's primary focus is on maintaining and improving core infrastructure. Funded projects allow the infrastructure to achieve their useful lives, keep the infrastructure safe, functional, and reliable; and lower costs by reducing the potential for costly breakdowns of elements of the infrastructure. A second category of projects would be projects to replace existing infrastructure that are at the end of their functional lives. Examples include the replacement of IBIS and the Police Property Warehouse. Funding issues raised are primarily related to addressing shortfalls in adequately maintaining and replacing existing infrastructure.

CAPITAL PLANNING & BUDGETING

Capital Planning Process

This CIP is developed with input from internal and external customers, as well as staff who maintain the infrastructure, and it is influenced by City Council-established goals, objectives, and policies. OMF works closely with its customers to understand their businesses and how their facilities support and serve their work objectives.

Facilities Services process

The CIP process is an integral component of the five-year maintenance plans for the Portland Building, City Hall, Union Station, and all Police Bureau precinct buildings and Smart Park parking garages. These plans were developed by a team of maintenance specialists and project managers from the Facilities Services Division of OMF.

CIP projects for new or relocated facilities, including those for the Portland Fire & Rescue and Police bureaus, are the result of considerable planning and collaboration with bureaus and citizens and of Council decisions and directives. They appear here as a result of team efforts to keep City facilities useful and adapting to the changing requirements of this local government.

BTS process

The divisions of BTS responsible for the CIP programs prepared their list of items and rationale for inclusion in the CIP. A management review group refined the list and coordinated items that were related. Primary priority was given to items that supported public safety; improved reliability, availability, and security of data; and supported the BTS plans to consolidate infrastructure to gain efficiencies. The Chief Technology Officer made final adjustments based on available funds in the technology reserve.

As BTS is responsible for almost the entire City information technology and communications infrastructure, the primary coordination opportunities were in the area of network development, and in fiber construction, which is coordinated through a cooperative agreement with TriMet and Oregon Department of Transportation (with the active participation of PDOT) and direct discussions with the Bureaus of Water Works and Environmental Services.

Financial Forecast Overview

This plan includes projects funded from a variety of sources. Projects that maintain or upgrade the Portland Building, Police Bureau facilities, City Hall, and other City buildings are based on five-year maintenance plans and funded from the major maintenance component of the basic annual rental rates charged to the tenants of these facilities. This is consistent with Council-approved policies. These major maintenance projects include those that maintain and improve facilities in order to meet tenant needs and expectations. Major maintenance money is not necessarily meant to be spent every year. Instead, resources are reserved for large future needs.

Parking garage revenue provides funding for projects to maintain and improve the City's Smart Park parking garage system. These projects are intended to keep the facilities up to date, consistent with the policy to set aside a percentage of replacement value for major maintenance in accounts within Facilities and BTS.

Projects for Portland Fire & Rescue are funded from debt authorized by Ballot Measure 26-72 in fall 1998.

General Fund Capital Set-Aside money has been the funding source for some specific 800 MHz radio system projects because rates have not been high enough to address all needs. One-time General fund money is a proposed funding source for all small projects with no funding source; and that either benefit General Fund bureaus or all City bureaus.

Interagency service agreements with City bureaus and outside organizations are a funding source for some projects in the OMF CIP. These projects are for services such as office remodels, which are not covered under rental rates, and for services at facilities where the Facilities Services Fund does not collect major maintenance.

BTS CIP programs include a number of projects to be funded from its technology reserve, since these are important projects, the possibility of getting decision packages approved to raise rates to fund them is low, and the projects may lead to efficiencies within the organization.

As explained in the issues section, a number of projects are unfunded because rates do not include adequate major maintenance or replacement components. Finding a funding source for them will be a challenge for OMF and the Council over the five-year timeframe of this CIP.

Asset Management and Replacement Plans

The City needs a comprehensive approach to funding major maintenance of large physical assets, including facilities and technology infrastructure. Major maintenance of facilities and major maintenance and replacement of technology infrastructure is important to keeping the assets in good condition and controlling operations and maintenance costs. Only some of the infrastructure in OMF has major maintenance/replacement programs with dedicated annual appropriations, and these programs have been reduced in recent years to provide rate relief to customers. None of these programs are currently at OMF's target of 3% of replacement value for facilities and 5% for technology infrastructure. The Parking Facilities program is projected to hit the 3% target in FY 2007-11.

Facilities Services

This results in an inability to take on projects at some facilities, and special requests have to be made in the future in order to fund projects. This is the case with projects at the Records Center and, to a lesser extent, at certain Portland Fire & Rescue facilities. Portland Fire & Rescue facilities are getting remodeled now out of the November 1998 voter-approved GO bond authorization. However, once this remodeling is completed, these facilities will have no ongoing money dedicated to major maintenance. Portland Fire & Rescue may have to fund its major maintenance projects each fiscal year by requesting one-time money from the General Fund Capital Set-Aside.

At other facilities, in order to keep the major maintenance account balanced, the fund has to push projects out to later years or distribute them over multiple years. This is the case with projects at the Portland Building.

Police Bureau facilities, the 1900 Building, and the recently renovated City Hall are relatively new, and the accounts are growing slowly, so problems from being below industry standards for major maintenance will not show up until much later. However, based on the experience with the Portland Building, they will come due.

Technology Services

Similarly, lack of money in BTS rates for replacement and major maintenance also results in an inability to take on projects. Therefore, fund reserves have to be tapped to do projects, or special requests have to be made to the General Fund to do projects that become critical to keeping infrastructure operating. However, the technology reserve will be greatly reduced by the time FY 2006-07 is over, and many projects are unfunded in the out years of the CIP. Competition for General Fund one-time money is strong, so the likelihood of securing this resource is low.

CAPITAL PROGRAMS & PROJECTS

The OMF CIP is organized around the following divisions and programs structure:

Technology Services

- ◆ 800 MHz Radio System
- ◆ Telecommunications

- ◆ IT Operations
- ◆ Information Security
- ◆ Strategic Technology

Facilities Services

- ◆ 1900 Building
- ◆ CityFleet Facilities
- ◆ City Hall
- ◆ Fire & Rescue Facilities GO Bond
- ◆ Police Facilities
- ◆ Portland Building
- ◆ Portland Communications Center
- ◆ Records Center
- ◆ Spectator Facilities
- ◆ Union Station

Parking Facilities

- ◆ Parking Facilities

Citywide Projects

- ◆ Enterprise Business System

This table summarizes capital costs by geographic area within each bureau in this service area.

Service Area	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Office of Management & Finance								
Undefined	0	0	184,500	0	0	0	0	184,500
All Areas	567,847	6,131,080	9,468,058	4,316,469	4,163,039	1,755,405	363,300	20,066,271
Central City	709,519	3,199,125	18,884,338	14,559,949	5,003,200	5,925,860	2,836,654	47,210,001
East	0	0	55,180	0	61,000	250,380	0	366,560
North	58,000	567,000	429,000	0	0	0	0	429,000
Northeast	56,000	527,000	810,000	68,000	111,000	0	0	989,000
Northwest	0	0	1,995,000	0	0	0	0	1,995,000
Southeast	6,000	0	199,240	966,000	1,496,000	0	0	2,661,240
Southwest	1,193,000	608,000	659,000	1,852,000	0	0	0	2,511,000
Total Office of Management & Finance	\$ 2,590,366	\$ 11,032,205	\$ 32,684,316	\$ 21,762,418	\$ 10,834,239	\$ 7,931,645	\$ 3,199,954	\$ 76,412,572

CAPITAL PROJECTS

Capital Improvement Plan — Office of Management & Finance

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program Project	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10	FY 2010–11	5–Year Total
Office of Management & Finance								
1900 Building								
Carpet/Paint Interior	0	0	231,167	231,167	231,167	231,167	0	924,668
Chillers	0	0	0	0	0	397,000	0	397,000
Cooling Towers	0	0	0	0	0	397,000	0	397,000
Development Services Move	0	0	341,000	0	0	0	0	341,000
Emergency Generator	0	0	0	190,000	0	0	0	190,000
Floor Damper	0	0	102,000	0	0	0	0	102,000
Planning Bureau Move	0	0	154,000	0	0	0	0	154,000
Signage/Wayfinding	0	0	172,000	0	0	0	0	172,000
Stain/Seal Floor	0	0	85,000	0	0	0	0	85,000
Total 1900 Building	0	0	1,085,167	421,167	231,167	1,025,167	0	2,762,668
800 MHz Radio System								
Repeater Site Channel Expansion	0	0	0	50,000	50,000	0	0	100,000
Simulcast Expansion	0	0	0	400,000	0	0	0	400,000
System Equipment	0	0	184,500	0	0	0	0	184,500
System Replacement Planning	0	0	85,000	0	0	0	0	85,000
Testing Equipment	0	30,000	105,000	0	0	0	0	105,000
Tower Maintenance	0	0	255,000	300,000	650,000	700,000	0	1,905,000
Total 800 MHz Radio System	0	30,000	629,500	750,000	700,000	700,000	0	2,779,500
City Hall								
Carpet & Paint	0	0	100,000	100,000	100,000	0	0	300,000
Clean/Repair/Paint	0	0	0	0	0	332,000	0	332,000
Paint Interior Core	0	0	132,000	0	0	0	0	132,000
Repair Control Wiring	0	0	18,000	0	0	0	0	18,000
Replace HVAC Heat Pump	0	0	0	377,333	377,333	377,333	0	1,131,999
Suite Access Controls	0	0	0	305,000	0	0	0	305,000
Total City Hall	0	0	250,000	782,333	477,333	709,333	0	2,218,999
CityFleet Facilities								
Exterior Sealing (West & South Walls)	0	0	0	0	111,000	0	0	111,000
Kerby Building - Computer Room HVAC	0	0	25,000	0	0	0	0	25,000
Powell Garage Window Replacement	0	0	0	0	256,000	0	0	256,000
Powell Garage-Seal Carport Roof	0	0	0	0	300,000	0	0	300,000
Training Room HVAC Install	0	0	50,000	0	0	0	0	50,000
Total CityFleet Facilities	0	0	75,000	0	667,000	0	0	742,000
Enterprise Business System Project								
Enterprise Business System Project	321,266	4,395,848	7,471,205	2,443,519	2,443,419	0	0	12,358,143
Total Enterprise Business System	321,266	4,395,848	7,471,205	2,443,519	2,443,419	0	0	12,358,143
Fire & Rescue Facilities GO Bond Program								
New Construction - Station 21	737,000	326,000	228,000	0	0	0	0	228,000
New Fire Station 1/Administration	370,000	2,064,000	10,128,000	9,614,000	0	0	0	19,742,000
Relocation of Station 18	389,000	0	252,000	1,852,000	0	0	0	2,104,000
Remodel Fire Station 15	67,000	282,000	179,000	0	0	0	0	179,000
Remodel Station 24	58,000	567,000	346,000	0	0	0	0	346,000
Remodel Station 43	56,000	527,000	336,000	0	0	0	0	336,000
Replace Fire Station 45	6,000	0	96,000	966,000	859,000	0	0	1,921,000
Total Fire & Rescue Facilities GO Bond	1,683,000	3,766,000	11,565,000	12,432,000	859,000	0	0	24,856,000
Information Security								
Disaster Recovery	0	0	248,853	0	0	0	0	248,853
Intrusion Detection	0	14,700	20,000	16,700	62,860	99,100	0	198,660
Remote Connections to Network	0	58,000	5,000	0	0	0	0	5,000
Security Scanning & Audit	0	10,000	10,000	40,000	0	0	0	50,000
Two Factor Authentication	0	35,750	10,000	151,250	126,760	195,505	0	483,515
Total Information Security	0	118,450	293,853	207,950	189,620	294,605	0	986,028

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program Project	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
IT Operations									
Core Storage Capacity Expansion	0	10,000	485,000	50,000	70,000	50,000	50,000	705,000	
Data Network Infrastructure	0	485,000	75,000	400,000	0	55,000	57,500	587,500	
Replace & Consolidate Servers	0	350,000	128,000	80,000	365,000	275,000	0	848,000	
Total IT Operations	0	845,000	688,000	530,000	435,000	380,000	107,500	2,140,500	
Parking Facilities									
10th & Yamhill - Clean/Seal/Paint	0	0	0	0	0	0	161,000	161,000	
10th & Yamhill - Elevator Upgrades	0	0	0	2,000,000	0	0	0	2,000,000	
10th & Yamhill - Repaint Steel Deck	0	0	35,000	0	0	0	0	35,000	
10th & Yamhill - Repair 2nd Level	0	0	0	0	46,700	0	110,000	156,700	
10th & Yamhill - Repair Common Walls	0	0	0	12,000	0	0	0	12,000	
10th & Yamhill - Replace HVAC	0	0	725,000	0	0	0	0	725,000	
10th & Yamhill - Seal Stairwells	0	0	0	0	52,000	0	0	52,000	
1st & Jefferson - Clean External Masonry	0	0	177,000	0	0	177,000	0	354,000	
1st & Jefferson - Clean/Seal Stairs	0	0	41,000	0	0	41,000	0	82,000	
1st & Jefferson - Replace Deck	0	0	0	0	85,000	0	0	85,000	
1st & Jefferson - Replace Top Decking	0	0	0	0	149,000	0	0	149,000	
3rd & Alder - Clean External Masonry	0	0	0	0	179,000	0	0	179,000	
3rd & Alder - Clean/Seal Stairs	0	0	41,000	0	0	41,000	0	82,000	
3rd & Alder - Repair/Replace 2nd Deck	0	0	40,000	0	0	44,000	0	84,000	
3rd & Alder - Replace HVAC	0	0	0	0	0	300,000	0	300,000	
3rd & Alder - Replace Top Level Surface	0	0	0	0	0	125,000	0	125,000	
4th & Yamhill - Clean/Seal Exterior	0	0	0	0	0	133,000	0	133,000	
4th & Yamhill - Repair/Replace 2nd Floor	0	0	0	40,000	0	0	100,000	140,000	
4th & Yamhill - Seal Stairways	0	0	0	0	52,000	0	0	52,000	
Naito & Davis - Repair/Replace 2nd Floor	0	0	50,000	0	0	0	90,000	140,000	
Naito/Davis - Clean/Seal Exterior	0	0	0	0	0	0	93,000	93,000	
Naito/Davis - Paint Stairs/Lobby	0	0	0	0	115,000	0	0	115,000	
Systemwide - Install Payment Technolgy	0	100,000	844,000	0	0	0	0	844,000	
Systemwide - Interior Paint/Signage	0	0	225,000	0	0	0	0	225,000	
Systemwide - Replace Awnings	0	0	0	0	0	131,000	0	131,000	
Systemwide - Restripe Stalls	0	0	0	0	0	0	80,700	80,700	
Systemwide - Upgrade Lighting	0	150,000	150,000	0	0	0	0	150,000	
Total Parking Facilities	0	250,000	2,328,000	2,052,000	678,700	992,000	634,700	6,685,400	
Police Facilities									
Camp Withycombe - Carpet & Paint	0	0	0	0	81,000	0	0	81,000	
East Precinct - Replace Garage Doors	0	0	0	0	61,000	0	0	61,000	
Justice Center - 11th Floor HVAC	0	0	68,000	0	0	0	0	68,000	
Justice Center - Building Security	0	0	183,333	183,333	183,333	0	0	549,999	
Justice Center - Carpet and Paint	0	0	185,329	0	0	0	185,329	370,658	
Justice Center - Facility Upgrade	0	0	0	0	331,625	331,625	331,625	994,875	
Justice Center - Repair Curtain Wall	0	0	10,000	0	0	0	0	10,000	
Mounted Patrol Unit - Carpet & Paint	0	0	0	22,000	0	0	0	22,000	
Mounted Patrol Unit - Paint Interior Offices	0	0	0	43,000	0	0	0	43,000	
North Precinct - Wash/Waterproof/Paint	0	0	43,000	0	0	0	0	43,000	
Northeast Precinct - Exterior Repaint	0	0	0	68,000	0	0	0	68,000	
Northeast Precinct - Replace Roof	0	0	365,000	0	0	0	0	365,000	
Police Precinct Facility Upgrade	0	0	0	0	0	255,800	255,800	511,600	
Property Warehouse Relocation	0	0	1,995,000	0	0	0	0	1,995,000	
Walnut Park - Paving Stones	0	0	34,000	0	0	0	0	34,000	
Total Police Facilities	0	0	2,883,662	316,333	656,958	587,425	772,754	5,217,132	
Portland Building									
Building Energy Efficiency Study	0	0	50,000	0	0	0	0	50,000	
Carpet and Paint Floor Lobbies	0	0	19,915	0	0	0	0	19,915	
Clean/Seal Building	0	0	117,234	0	0	0	0	117,234	
Domestic Water Pump Replacement	0	0	66,991	0	0	0	0	66,991	
Exterior Pedestrian Amenities	0	0	0	0	335,000	0	0	335,000	

This table summarizes project costs by the capital programs of the bureaus within this service area.

Bureau Capital Program Project	Revised		Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Fire Alarm Testing/Repair	0	0	41,869	0	0	0	0	41,869	
Install Addressable Smoke/Fire Sensors	0	0	114,970	114,970	114,970	114,970	0	459,880	
Paint Building Exterior	0	0	0	0	0	418,691	0	418,691	
Rapid HVAC Shutdown	0	0	0	0	142,129	0	0	142,129	
Relocate Rescue Assistance Monitors	0	0	0	0	41,869	0	0	41,869	
Repair Leak on 13th/14th Floors	0	0	10,050	0	0	0	0	10,050	
Replace AC on 3rd Floor	0	0	251,200	0	0	0	0	251,200	
Replace Carpet & Paint Interior	0	0	150,000	150,000	150,000	150,000	150,000	750,000	
Replace Exhaust Fans 1st floor	0	0	21,772	0	0	0	0	21,772	
Replace HVAC 1st Floor	0	0	133,981	0	0	0	0	133,981	
Replace Window Blinds	0	0	0	119,746	0	0	0	119,746	
Seal 2nd Floor Mechanical Room	0	0	25,121	0	0	0	0	25,121	
Security Film On Windows	0	0	0	45,000	0	0	0	45,000	
Space Plan Projects	0	0	2,255,000	0	0	0	0	2,255,000	
Upgrade Elevator Controls	0	0	0	0	1,256,074	1,256,074	0	2,512,148	
Upgrade HVAC Boxes	0	0	0	358,400	0	0	0	358,400	
Total Portland Building	0	0	3,258,103	788,116	2,040,042	1,939,735	150,000	8,175,996	
Portland Communications Center									
Clean & Seal Building Exterior	0	0	55,180	0	0	0	0	55,180	
POEM Move	0	0	103,240	0	0	0	0	103,240	
Replace UPS Battery System	0	0	0	0	0	250,380	0	250,380	
Total Portland Communications Center	0	0	158,420	0	0	250,380	0	408,800	
Records Center									
Records Center Improvements	0	0	40,000	0	0	0	0	40,000	
Total Records Center	0	0	40,000	0	0	0	0	40,000	
Spectator Facilities									
Memorial Coliseum	150,000	150,000	500,000	500,000	500,000	500,000	500,000	2,500,000	
PGE Park	50,000	50,000	80,000	45,000	165,000	120,000	1,000,000	1,410,000	
Total Spectator Facilities	200,000	200,000	580,000	545,000	665,000	620,000	1,500,000	3,910,000	
Strategic Technology									
Upgrades to GIS Infrastructure	0	0	200,000	0	0	0	0	200,000	
Total Strategic Technology	0	0	200,000	0	0	0	0	200,000	
Telecommunications									
Canned Remote Site	0	0	0	0	60,000	0	0	60,000	
Future Fiber Builds	169,203	150,000	150,000	415,000	200,000	100,000	0	865,000	
Network Management Upgrade	0	2,657	25,000	0	0	0	0	25,000	
Portland Building Recabling	0	0	0	29,000	31,000	33,000	35,000	128,000	
Remote Circuit Expansion	34,041	780,125	10,000	0	0	0	0	10,000	
Remote Site Centrex Replacement	0	0	253,000	0	0	0	0	253,000	
SONET Upgrades	43,337	159,000	60,000	0	150,000	300,000	0	510,000	
Voice Mail Replacement	0	0	0	0	350,000	0	0	350,000	
VOIP Network Management	0	0	0	50,000	0	0	0	50,000	
Total Telecommunications	246,581	1,091,782	498,000	494,000	791,000	433,000	35,000	2,251,000	
Union Station									
Transportation Enhancement Grant	139,519	335,125	680,406	0	0	0	0	680,406	
Total Union Station	139,519	335,125	680,406	0	0	0	0	680,406	
Total Office of Management & Finance	\$ 2,590,366	\$ 11,032,205	\$ 32,684,316	\$ 21,762,418	\$ 10,834,239	\$ 7,931,645	\$ 3,199,954	\$ 76,412,572	

Facilities Services

Legislative, Administrative, and Support Service Area

Overview and Financial Tables

DIVISION SUMMARY

The Facilities Services division manages three funds: Facilities Services (property management, project management, operations and maintenance, and strategic support), the Fire General Obligation Bond, and the Spectator Facilities (Rose Quarter and PGE Park) funds.

Facilities Services

The Facilities Services Fund was created to account for all of the facilities-related programs and capital projects managed by OMF Business Operations. The fund is self-sufficient, requiring no direct General Fund discretionary support.

Facilities Services receives revenue from various sources, primarily service reimbursements for office and building space rental and other services, including building operations and maintenance, interior space remodels and reconfigurations, janitorial services, property management, and capital project management. Other revenue sources are intergovernmental agreements and rents from commercial leases in City-owned buildings. Cash transfers from other funds can also cover the cost of budgeted capital improvement projects. Debt sales have been used in the past as a resource for capital projects, with the resulting principal and interest obligations being incorporated into the rental rates.

Facilities Services provides services to most City facilities, with the exception of buildings owned and operated by the Parks & Recreation and Fire, Rescue and Emergency Bureaus. The Bureau of Environmental Services, Office of Transportation, and the Water Bureau provide facilities operations and maintenance to some of their own facilities as well.

The core service of Facilities Services is the operation and maintenance of City facilities managed by Business Operations. Facilities Services also provides:

- ◆ Facility planning services
- ◆ Remodeling and new construction project management services
- ◆ Real property management services

Facilities Services uses interagency charges to fully recover costs through:

- ◆ Rental rates charged to the occupants of the Portland Building, City Hall, various Police facilities, the Records Center, the Portland Communications Center, the 1900 Building, and two CityFleet facilities.
- ◆ Service agreements with bureaus for the provision of a variety of discretionary facility-related services not covered in rental rates.

**Fire General
Obligation Bond**

In 1998, the citizens of Portland authorized the sale of \$53.8 million in GO bonds to support a \$70.9 million program to improve the City's emergency facilities, including:

- ◆ Seismic upgrades to allow firefighters to effectively respond to an earthquake in the metropolitan area.
- ◆ Relocation and construction of new facilities to meet the goal of a four-minute response time to emergency calls.
- ◆ Renovation of facilities to be consistent with the evolving mission of Portland Fire, Rescue and Emergency Services. For example, a major portion of the work is emergency medical services, yet few of the facilities were appropriately equipped.
- ◆ Response to Americans with Disabilities Act accessibility requirements and female firefighter accommodations.
- ◆ Response to the issue of some emergency facilities approaching the end of their useful lives.

It is anticipated the program will be completed by the end of FY 2008-09. Of the \$70.9 million, \$68.1 million will be used to improve fire facilities and \$2.8 million to expand the Portland Communications Center.

Spectator Facilities

The Spectator Facilities Fund is an enterprise fund within Facilities Services. It was established to budget, monitor, and account for resources and requirements for the Oregon Arena Project and PGE Park.

The fund is composed of two major program categories:

- ◆ Rose Quarter Operations
- ◆ PGE Park Operations

Program Activities

Major program activities include operations and maintenance, capital improvements, financial planning, contract administration, special projects, and liaison activities between the City, other governmental agencies, and private citizen groups.

Arena History

In 1992, the City of Portland and the Oregon Arena Corporation (OAC) entered into a development agreement and several other related agreements and leases for planning, developing, and managing the Oregon Arena Project, currently recognized as the Rose Quarter. The agreements concluded a process that brought to Portland an innovative public/private development and the largest public/private arrangement ever formed in Oregon.

City project costs of \$44 million are recovered through user fees, parking revenues, and other project revenues.

The Oregon Arena Project included construction of a state of the art 20,000 seat arena, an entertainment and office complex, a public plaza, and public and private garages as well as improvements to the Memorial Coliseum and the infrastructure. OAC contributed approximately \$230 million toward the project.

PGE Park

The City owns Civic Stadium (renamed PGE Park), a 19,000 fixed seating, outdoor sports facility located at SW 18th Avenue and SW Morrison Street. The stadium, built in 1926, was in need of substantial repairs to correct seismic and other structural deficiencies and to address basic facility needs. In the process of planning for its aging facilities, the City established a goal of substantially renovating and upgrading Civic Stadium to serve as a general purpose, outdoor venue suitable for multiple uses, including professional baseball, collegiate and high school football, professional and amateur soccer, concerts, and other spectator uses. The City formed a public/private partnership and issued \$35 million in bonds to pay for most of the construction work. The private partner paid the remaining portion of the renovation costs and purchased a minor league baseball and soccer team.

STRATEGIC DIRECTION

For this capital plan OMF's primary focus is on maintaining and improving core infrastructure. Funded projects allow the infrastructure to achieve their useful lives, keep the infrastructure safe, functional, and reliable; and lower costs by reducing the potential for costly breakdowns of elements of the infrastructure. A second category of projects would be projects to replace existing infrastructure that are at the end of their functional lives. An example is the replacement of the Police Property Warehouse. Funding issues raised are primarily related to addressing shortfalls in adequately maintaining and replacing existing infrastructure.

CAPITAL PLANNING & BUDGETING

The programs in Facilities Services responsible for the CIP projects prepared their list of items and rationale for inclusion in the CIP. A management review group refined the list and coordinated items that were related. Primary priority was given to items that supported public safety, improved infrastructure, and supported City and OMF goals.

CAPITAL PROGRAMS & PROJECTS

1900 Building

Constructed as a central location to house the City's land development and review bureaus and departments, the 1900 Building is six years old.

In 2004 the Bureau of Licenses (now part of the Revenue Bureau) assumed added responsibility for processing Multnomah County's three-year individual income tax. At that time there was insufficient room in the 1900 Building or other City facilities so the bureau moved into private leased space. Soon after the License Bureau move, the Portland Development Commission decided to move its offices from the 1900 Building into a mostly vacant PDC-controlled building. The consequence of these two occurrences is substantial vacant space in the 1900 Building.

The long-term ownership of the building is no longer in question; the City will continue to own the building. The City also adopted a policy requiring City bureaus to locate in City-owned space, which is expected to result in bureaus presently renting outside space relocating to City buildings, including the 1900 Building. Space currently vacant should be filled over the next several months with expansions of current tenants such as the Bureau of Development Services and bureau relocations.

A space plan completed in early 2006 identified the most efficient use of space in the downtown buildings (1900 Building and the Portland Building), including moving the newly created Revenue Bureau to leased space, backfilling space vacated by the Revenue Bureau, and projecting space needs for City bureaus presently leasing private space. Included in this CIP are projects to relocate the Revenue Bureau, consolidating the Planning Bureau on one floor in the 1900 Building, and provide expanded space for the Bureau of Development Services.

In addition to the tenant improvement and restacking projects, the major projects for the building at this time are to replace worn carpeting and refurbish the interiors with new paint.

City Hall

The Facilities Services division is charged with operating and maintaining City Hall. Staff has developed a City Hall major maintenance program to ensure this facility's continued functionality.

The major maintenance program looks at each component of City Hall's operations, physical plant, and occupants' needs. It outlines upgrades and replacements according to a prudent, yet proactive schedule. Each project outlined in this CIP is aimed at obtaining the usable life from a building component, while keeping City Hall a vital public space of which citizens can be proud.

An annual cash transfer from the General Fund to the Facilities Services Fund provides funding for City Hall major maintenance projects. This cash transfer is not tied to specific projects each year; it is ongoing, stable funding for current and future major maintenance at City Hall.

Police Facilities

The Facilities Services Division provides the Police Bureau maintenance as well as project planning and management services. Police and Facilities have completed a number of significant facility projects in the past including precinct renovations, construction of the Mounted Patrol Unit facility, and space plans. Facility upgrades and maintenance will continue in the future to preserve the facilities and provide appropriate space for the changing needs of the Police Bureau. Major projects currently planned include reconfiguration of Justice Center space and a possible relocation of the Police Property Warehouse.

A master plan for Police Facilities was recently completed and identified the top priorities related to police facilities. The recommendations included a new, modern property evidence warehouse, a permanent facility for the Traffic division and four new precincts (Central, North, outer Southeast, and outer Southwest) to address space needs and response time goals. The total cost of all the recommendations is approximately \$85 million. Without an identified funding mechanism at this time for the entire \$85 million, the Police Bureau and Facilities will work cooperatively to find creative solutions to implement any recommendations from the master plan.

Facilities Services and the Police Bureau are currently working on relocating the police property evidence warehouse to a new, modern facility. The project will consist of securing a lease with BES for space at the Guild's Lake industrial area, remodeling the building to meet the needs of the Police Bureau, moving the staff and contents of the current evidence warehouse to the new building, and selling the current property evidence warehouse. The key to this proposal is that the sale proceeds be at least equal to the total costs of the project, including tenant improvement (TI) and move costs. A comprehensive plan for this project is currently being prepared and highlights are listed below.

The TI and move project is included in the FY 2006-07 CIP. A preliminary design indicates that net proceeds from the sale of the existing Property Warehouse Building could fund a significantly improved warehouse at the City-owned Guild's Lake location, depending on what elements are included. Also included in the costs are specialized moving costs for the evidence warehouse, potential rent-back costs in the event of an early sale of the existing building with deferred possession, and lease costs to BES starting at the point that the TI begins.

It is important to stress that this project can only be completed as described if the current property evidence warehouse is sold and the proceeds used to develop a new, modern facility.

Ongoing operations and maintenance (O&M) expenses are expected to undergo a net increase of approximately \$165,000 per year for the new evidence warehouse. This would primarily be due to a lease with BES for the space at Guild's Lake. The lease costs would be somewhat offset by minor cost decreases in O&M expenses due to lower utility costs (electricity and gas) resulting from occupying a modern facility.

The Portland Building

The projects for the Portland Building consist of maintenance, adaptations, and repairs, which protect the City's investment in this asset and meet changing conditions, standards, and needs. The projects planned for FY 2007-11 are only those that can be funded through rental rates charged to the tenants or from major maintenance reserves.

Projects in the Portland Building program are funded out of the major maintenance component of the rental rates charged to each tenant. A recognized standard for the major maintenance component of the rental rate is 3% of the replacement value of the building each year. For the City of Portland, this standard is a goal. Portland Building rental rates fund an annual allotment of major maintenance projects equal to 2% of its replacement value. Due to the history of not collecting at this level, the building spends almost all of the money it collects each year.

Records Center

Facilities Services is responsible for managing and maintaining the Records Center building. The City Auditor's Office is responsible for operations. The building is located at 9360 N. Columbia Blvd. and formerly housed a municipal incinerator. The furnaces have been removed, and the building has been modified to house the City's archived records. The Records Center is an old facility and requires significant maintenance to effectively continue its use as a document repository.

Due to budget cuts over the last several years, the major maintenance money for this facility has been reduced to a nominal amount each year. Because there are critical maintenance needs at this facility, the adopted CIP includes Records Center improvements that will be funded by the Auditor's Office.

Portland Communications Center

The Portland Communications Center was constructed in 1993 to provide a permanent location for the City's Communications operations, including BOEC, BTS, and the Emergency Operations Center (EOC).

The building, located at SE 99th Street and Powell Blvd., was designed to provide adequate space for operations and forecasted growth to the year 2000. Financial pressures and concerns about over-building constrained the building's size and flexibility for growth. In 2002, the building was expanded by 12,500 square feet and remodeled using funding from the General Obligation Bond and BOEC. This was to accommodate the growth that BTS,

EOC, and BOEC have experienced since the building was originally constructed. The remodel has addressed some ongoing maintenance issues, and the building is presently in good condition. Keeping the building useful for the tenants means ongoing maintenance of the facility, continuous upgrading of its technology systems, and ongoing security improvements in response to the September 11, 2001 attack.

There is currently a space plan being conducted for the Portland Communications Center to determine if there is sufficient space for the Portland Office of Emergency Management (POEM) to relocate to that facility. At the present time, POEM occupies leased space in downtown Portland. There would be moving and tenant improvement costs associated with any move by POEM to the Portland Communications Center. Placeholder funding in case this project proceeds is included in the adopted CIP.

Projects in the Portland Communications Center program are funded in one of two ways. First, projects that maintain the facility are funded out of the major maintenance component of the rental rate. OMF's goal for the major maintenance component of the rental rates is 3% of the replacement value of the building each year. Currently, the annual amount of major maintenance money collected in the rental rates is \$90,000. This amount was approved as part of the FY 2004-05 budget process. The \$90,000 is the minimum amount needed per year to be able to address the major maintenance needs that are anticipated to come up over the next 20 years.

Union Station

Union Station is owned by the Portland Development Commission and managed through an agreement with the Facilities Services division. The station, with its adjacent undeveloped property, was purchased by the City in 1987. The building dates from 1896 and is on the National Register of Historic Places.

Facilities Services is responsible for maintenance, property management, capital planning, and project management for the station. The term "Union Station" refers to the station building, an annex building, a small switching tower in the rail yard, an empty City fire station, rails 1-4, the rail platforms, and the rail yard.

Union Station houses Amtrak operations, including passenger services, package express, U.S. Mail, and administrative offices. Amtrak is the station's major tenant, renting approximately 39,000 square feet of space, plus significant track, platform, and yard area. In addition, 30 other commercial leases exist in the remaining 25,000 square feet of space available for lease in the building. These private tenants include professional offices, non profit organizations, and a destination restaurant.

The leases generate approximately \$800,000 in revenue, and operating expenses total around \$1,000,000 per year. Part of the operating expenses are reimbursable by the tenants so the overall net revenue of the facility is positive. The net revenues are projected to average \$100,000 in FY 2007-11. However, this funding is inadequate to cover the large list of major maintenance projects required to bring the facility up to a good condition.

In 2001, Facilities Services assessed long-term future requirements. The resulting report, the Union Station Facility and Seismic Work Plan details both the strengths and weaknesses of the existing structure. Most of the stations original features, including the double-hung windows, the extruded metal roofing, the shed dormers, gutters, and flashing are in poor condition simply due to age. However, because of some renovation over the century, the historic integrity of the facility is intact. The total cost of a complete restoration of Union Station is estimated to be approximately \$45 million.

In the summer of 2003 ODOT awarded Facilities Services a \$1,055,000 grant directed primarily at improving the exterior of the building to prevent water infiltration. This work will preserve the building's historic fabric and meet some of the needs identified in the Union Station Facility and Seismic Work Plan. The construction portion of this grant-funded project will begin and be completed in FY 2006-07.

CityFleet

CityFleet supplies and maintains vehicles and equipment for various bureaus within the City. Its facilities include the Kerby Garage, the Interstate Garage, the Powell Garage, the 1st & Jefferson Garage, the Southeast Precinct Garage, and the East Precinct Garage.

Funding for projects in the CityFleet program has previously been provided by interagency agreements with Facilities Services as provider and CityFleet as receiver, on a time-and-materials basis. In FY 2002-03, Facilities Services began charging CityFleet rental rates for the Kerby Garage and the Powell Garage. These rental rates include a major maintenance component to fund major maintenance projects for these garages.

Portland Fire & Rescue

Capital facility needs for Portland Fire & Rescue (PF&R) are included in this program. Projects are those approved in the 998 GO bond program.

The GO bond program projects represent a joint effort between PF&R and OMF. FY 2006-07 will mark the ninth year of the program. This program is driven by the fact that all of the fire stations must eventually meet the "essential facility" criteria for seismic force resistance, and each station needs to remain in operation immediately after an earthquake. Nine years ago, OMF and PF&R worked with a team of engineers and architects to identify the most cost-effective method for meeting the required essential services goal. This goal was analyzed in relationship to the stations' abilities to serve new missions, their ages, their ability to accommodate a changing work force, and their disabled accessibility.

The overall cost for meeting all of these needs over the ten-year period is estimated to be \$70.9 million. Through FY 2005-06 the program has resulted in the expansion of the Portland Communications Center, upgrades to 19 fire stations and the construction of five new fire stations. For FY 2006-07, three fire station remodels should be completed, two new stations will be underway, and work on the Fire Station 1/Fire Bureau administrative office project should intensify.

The last year of this program is anticipated to be FY 2008-09. By that time, all of the improvements should be complete.

Spectator Facilities

The Spectator Facilities Fund is composed of two major program categories:

- ◆ Rose Quarter Operations
- ◆ PGE Park Operations

The Rose Quarter program projects include those for the Memorial Coliseum. Previous studies of the Memorial Coliseum concluded that \$7-\$10 million in capital improvements is needed to continue to operate the facility as a spectator venue. The capital plan includes a program of reinvesting \$500,000 annually into the building to improve the appearance and reliability of the facility under the assumption it will remain in its current use for the next several years.

The PGE Park program includes all capital improvements for PGE Park. The capital budget allows the City to address all of the capital requirements called for in the new PGE Park operating agreement. Additional money is also budgeted for unexpected capital repairs due to system failures.

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

1900 Building

Carpet/Paint Interior

Total Project Cost: 924,668

Area: Central City

Dollars for Art: 0

Objective(s): Maintenance, Replacement

Project Description

The 1900 Building was first occupied in August 1999. After six years of heavy use, the carpet and paint on each of the seven floors is worn and needs to be replaced. This project will replace worn carpet and paint the walls on two floors each year, starting in FY 2006-07 and continuing through 2009-10. The replacement of carpet and paint is programmed maintenance for upkeep of the building. It helps maintain the value of the asset by improving the appearance and function.

Funding Sources

Discretionary	0	0	231,167	231,167	231,167	231,167	0	924,668
Total Funding Sources	0	0	231,167	231,167	231,167	231,167	0	924,668

Expenditures

External Materials & Services			204,946					
Contingency			26,221					
Total Expenditures	0	0	231,167	231,167	231,167	231,167	0	924,668
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Chillers

Total Project Cost: 397,000

Area: Central City

Dollars for Art: 0

Objective(s): Maintenance, Replacement

Project Description

This project is part of the long-term plan to maintain and replace major building equipment as it nears the end of its life expectancy. Taking a scheduled approach to maintenance helps spread out costs and protects the investment in this asset. There are three chillers that will be replaced over three years. This cost reflects the City of Portland/Portland State University (PSU) Condo split. The 1900 Building's major systems mechanical equipment has a useful life expectancy of 25 years. The schedule recommends replacing the building's chillers in the FY 2008-09 timeframe because the equipment is much older than the building, which went into operation in 1999. This project will provide dependable Heating, Ventilation, and Cooling system (HVAC) in the 1900 Building and allows for systematic and planned replacement. It also helps maintain a healthy work environment for staff and visitors.

Funding Sources

Discretionary	0	0	0	0	0	397,000	0	397,000
Total Funding Sources	0	0	0	0	0	397,000	0	397,000

Expenditures

Total Expenditures	0	0	0	0	0	397,000	0	397,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Cooling Towers								
			Total Project Cost:		397,000			
			Dollars for Art:		0			
							Area: Central City	
							Objective(s): Maintenance, Replacement	
Project Description								
This project is also part of the long-term plan to maintain and replace major building equipment as it nears the end of its life expectancy. Scheduling maintenance spreads out costs and protects the investment in this asset. There are two cooling towers that will be replaced over two years. This cost reflects the City of Portland/PSU Condo split. The 1900 Building's major systems mechanical equipment has a useful life expectancy of 20 years. The recommended schedule calls for replacing the building's cooling towers in the FY 2009 timeframe. The building went into operation in 1999, but the equipment is much older. Major repairs have prolonged its useful life to allow for an FY 2008-09 replacement. This project will provide dependable HVAC in the 1900 Building Condo and allow for systematic and planned replacement. It also helps maintain a healthy work environment for staff and visitors.								
Funding Sources								
Discretionary	0	0	0	0	0	397,000	0	397,000
Total Funding Sources	0	0	0	0	0	397,000	0	397,000
Expenditures								
Total Expenditures	0	0	0	0	0	397,000	0	397,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Development Services Move								
			Total Project Cost:		341,000			
			Dollars for Art:					
							Area: Central City	
							Objective(s): Efficiency	
Project Description								
This project would provide more room for the Bureau of Development Services staff on the fourth floor of the 1900 Building.								
Funding Sources								
Discretionary	0	0	341,000	0	0	0	0	341,000
Total Funding Sources	0	0	341,000	0	0	0	0	341,000
Expenditures								
External Materials & Services			300,950					
Contingency			40,050					
Total Expenditures	0	0	341,000	0	0	0	0	341,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

Emergency Generator

Total Project Cost: 190,000
Dollars for Art: 0

Area: Central City
Objective(s): Maintenance, Replacement

Project Description

This project is part of the long-term plan to maintain and replace major building equipment as it nears the end of its life expectancy. This scheduled maintenance approach spreads out costs and protects the investment in this asset. There are two emergency generators that will be replaced over five years. This cost reflects the City of Portland/PSU condo split. This building's major systems mechanical equipment has a useful life expectancy of 25 years. The recommended schedule for replacing the generators of the building will be coming up in FY 2007-08 through FY 2012-13. Funding for the second generator has not been identified. The building went into operation in 1999 but the equipment is much older. These generators provide emergency back-up power for building operations and Fire/Life/Safety requirements.

Funding Sources

Discretionary	0	0	0	190,000	0	0	0	190,000
Total Funding Sources	0	0	0	190,000	0	0	0	190,000
Expenditures								
Total Expenditures	0	0	0	190,000	0	0	0	190,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

Floor Damper

Total Project Cost: 102,000
Dollars for Art: 0

Area: Central City
Objective(s): Maintenance

Project Description

The 1900 Building HVAC system was constructed with a raised floor with supply plenum to distribute supply air. The installation did not take into account the different demands for the northern and southern exposures. The south side typically needs more cooling than the north. Because there is no control separating these areas, the north side is subsequently overcooled and under floor heaters are used to compensate. This project will separate the two zones allowing better control for varying loads. The ductwork and respective air sensors will be split to modulate control. This project will provide better comfort levels for the occupants and considerable energy savings should be realized as a result.

Funding Sources

Discretionary	0	0	102,000	0	0	0	0	102,000
Total Funding Sources	0	0	102,000	0	0	0	0	102,000
Expenditures								
External Materials & Services			90,431					
Contingency			11,569					
Total Expenditures	0	0	102,000	0	0	0	0	102,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	
Planning Bureau Move				Total Project Cost:	154,000				Area: Central City
				Dollars for Art:					Objective(s): Efficiency
Project Description									
This project would consolidate Planning Bureau staff on the seventh floor of the 1900 Building.									
Funding Sources									
Discretionary	0	0	154,000	0	0	0	0	154,000	
Total Funding Sources	0	0	154,000	0	0	0	0	154,000	
Expenditures									
External Materials & Services			135,910						
Contingency			18,090						
Total Expenditures	0	0	154,000	0	0	0	0	154,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	
Signage/Wayfinding				Total Project Cost:	172,000				Area: Central City
				Dollars for Art:	0				Objective(s): Maintenance, Replacement
Project Description									
This project provides for the design and installation of signage to enhance visitor access to City services within the 1900 Building. The project will include signage on the exterior of the building as well as some at the entry and inside the common parking garage. This project will be coordinated with the construction of Portland State University's new engineering building.									
Funding Sources									
Discretionary	0	0	172,000	0	0	0	0	172,000	
Total Funding Sources	0	0	172,000	0	0	0	0	172,000	
Expenditures									
External Materials & Services			152,491						
Contingency			19,509						
Total Expenditures	0	0	172,000	0	0	0	0	172,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted	Capital Plan					
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	
Stain/Seal Floor				Total Project Cost:	85,000				Area: Central City
				Dollars for Art:	0				Objective(s): Maintenance
Project Description									
Install stain sealant floor covering on stairwell landings for Floors 2-7 to improve the appearance. This is an area that was unfinished at construction of the building and requires a design solution. The project will improve the appearance and finish of a prominent feature of the building which is heavily used by occupants.									
Funding Sources									
Discretionary	0	0	85,000	0	0	0	0	85,000	
Total Funding Sources	0	0	85,000	0	0	0	0	85,000	
Expenditures									
External Materials & Services			75,359						
Contingency			9,641						
Total Expenditures	0	0	85,000	0	0	0	0	85,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

City Hall

Carpet & Paint

Total Project Cost: 300,000

Area: Central City

Dollars for Art: 0

Objective(s): Maintenance

Project Description

This project will install new carpet and paint in all offices, conference rooms, and meeting rooms in the building. The carpet used for replacement will be of a like material to the renovation product, and like the carpet used in the original renovation, the new carpet will contain recycled materials. The carpet and painting is on a six-year replacement cycle, which begins in FY 2006-07 and will continue through FY 2008-09. This schedule allows the carpet to be renewed after its useful life and, with the repainting, keeps the building's tenant areas looking well cared for and in good repair. Tenant areas will be recarpeted and repainted as the need and opportunity arises.

Funding Sources

Discretionary	0	0	100,000	100,000	100,000	0	0	300,000
Total Funding Sources	0	0	100,000	100,000	100,000	0	0	300,000

Expenditures

External Materials & Services			88,657					
Contingency			11,343					
Total Expenditures	0	0	100,000	100,000	100,000	0	0	300,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Clean/Repair/Paint

Total Project Cost: 332,000

Area: Central City

Dollars for Art: 0

Objective(s): Maintenance

Project Description

This is part of the regular maintenance of the City Hall exterior stone. This work cleans and seals the sandstone surface of the City Hall and repaints the exterior wood windows. It is necessary to preserve the integrity of the stone. Because City Hall is a Historic Building and a Landmark for the City of Portland, proper maintenance of the exterior is needed to preserve the building and protect it from premature deterioration. Additionally, during the FY 2005-06 sandstone cleaning project, it was discovered that many of the roof balustrade posts and rail caps are badly deteriorated. A combination of patching and/or replacement of approximately 45% of the posts is planned. Keeping the exterior sandstone clean and repainting the wood windows prolongs its life, and keeps the building looking attractive. Repairing and/or replacing the balustrade posts is required to keep the balustrade intact.

Funding Sources

Discretionary	0	0	0	0	0	332,000	0	332,000
Total Funding Sources	0	0	0	0	0	332,000	0	332,000

Expenditures

Total Expenditures	0	0	0	0	0	332,000	0	332,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Paint Interior Core				Total Project Cost:	132,000			Area: Central City
				Dollars for Art:	0			Objective(s): Maintenance
Project Description								
This project is part of the long-term plan to maintain the appearance and condition of City Hall. This scheduled maintenance approach repaints all core common areas and protects the investment in this asset. The high use of this facility causes wear and tear that degrades the appearance of the building. The recommended schedule for repainting the interior of the building's core common areas as one project is approximately once every five to seven years. This project will provide uniform painted surfaces which will eliminate the "touched-up" appearance of some of the walls, protect surfaces, and provide exemplary appearance to the public.								
Funding Sources								
Discretionary	0	0	132,000	0	0	0	0	132,000
Total Funding Sources	0	0	132,000	0	0	0	0	132,000
Expenditures								
External Materials & Services			117,027					
Contingency			14,973					
Total Expenditures	0	0	132,000	0	0	0	0	132,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Repair Control Wiring				Total Project Cost:	18,000			Area: Central City
				Dollars for Art:	0			Objective(s): Maintenance
Project Description								
Install new communication bus for heat pump controllers on all the floors. The installation practices used on the original installation are causing communication problems between heat pump controllers and the main building controller. Having the communication bus line restored will allow remote monitoring from the facility's dispatch center and reliable communication between the equipment controllers and the building's main controller.								
Funding Sources								
Discretionary	0	0	18,000	0	0	0	0	18,000
Total Funding Sources	0	0	18,000	0	0	0	0	18,000
Expenditures								
External Materials & Services			15,958					
Contingency			2,042					
Total Expenditures	0	0	18,000	0	0	0	0	18,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Replace HVAC Heat Pump				Total Project Cost:	1,131,999			Area: Central City
				Dollars for Art:	0			Objective(s): Replacement
Project Description								
Replacement of the heat pumps that are providing HVAC to City Hall will be done over three fiscal years. City Hall heating, ventilation, and air conditioning is supplied by 110 individual heat pumps, which are aging and beginning to fail. This project will replace the existing heat pumps with like equipment that will ensure continued temperature control and comfort for building occupants.								
Funding Sources								
Discretionary	0	0	0	377,333	377,333	377,333	0	1,131,999
Total Funding Sources	0	0	0	377,333	377,333	377,333	0	1,131,999
Expenditures								
Total Expenditures	0	0	0	377,333	377,333	377,333	0	1,131,999
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Suite Access Controls								
				Total Project Cost:	305,000			
				Dollars for Art:	0			
							Area:	Central City
							Objective(s):	Replacement, Efficiency
Project Description								
Electronic magnetic lock devices will be installed in the building's main suites. Magnetic locks will be tied into the building's access control system; access cards will be programmed according to building occupants' requirements. These devices provide controlled access and quick response during times of threat. Heightened security can most rapidly be accomplished by installing an electronic access control system that is programmed to make sure doors are secured at specific times and that emergency response can allow rapid locking as needed.								
Funding Sources								
Discretionary	0	0	0	305,000	0	0	0	305,000
Total Funding Sources	0	0	0	305,000	0	0	0	305,000
Expenditures								
Total Expenditures	0	0	0	305,000	0	0	0	305,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Fire & Rescue Facilities GO Bond Program

New Construction - Station 21								
				Total Project Cost:	1,063,000			
				Dollars for Art:	0			
							Area:	Southwest
							Objective(s):	Maintenance, Efficiency
Project Description								
The original Tri-Data report recommended a new station in outer Southwest Portland, now to be sited at SW Shattuck & Beaverton-Hillsdale Highway. The most recent Tri-Data report recommends further study, and this station is being delayed indefinitely.								
Funding Sources								
Bond and Note Sales	737,000	326,000	228,000	0	0	0	0	228,000
Total Funding Sources	737,000	326,000	228,000	0	0	0	0	228,000
Expenditures								
External Materials & Services			228,000	0	0	0	0	228,000
Total Expenditures	737,000	326,000	228,000	0	0	0	0	228,000
Operating & Maintenance Costs			0	0	0	0	0	0

Capital Improvement Plan — Facilities Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
New Fire Station 1/Administration								
			Total Project Cost:		22,176,000			
			Dollars for Art:		0			
							Area: Central City	
							Objective(s): Maintenance, Expansion, Efficiency	
Project Description								
The original plan for this station was to remodel the existing building at its current location. Over the last two years, Portland Fire & Rescue made decisions which determined that Station 1/Administration should be housed together at a new location. The Station Advisory Committee was formed and the decision was made to relocate to a new site at NW Naito and Davis. A final recommendation on the options is currently being analyzed by Portland Development Commission, Portland Fire and Rescue, and OMF Staff. A final decision should be reached by the end of 2006.								
Funding Sources								
Local Cost Sharing	175,000	978,000	4,798,000	4,554,000	0	0	0	9,352,000
Bond and Note Sales	195,000	1,086,000	5,330,000	5,060,000	0	0	0	10,390,000
Total Funding Sources	370,000	2,064,000	10,128,000	9,614,000	0	0	0	19,742,000
Expenditures								
Internal Materials & Services			2,389,349					
Minor Capital Outlay			7,738,651					
Total Expenditures	370,000	2,064,000	10,128,000	9,614,000	0	0	0	19,742,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Relocation of Station 18								
			Total Project Cost:		2,493,000			
			Dollars for Art:		0			
							Area: Southwest	
							Objective(s): Maintenance, Efficiency	
Project Description								
Construction of a relocated Station 18 from SW 30th to I-5 near Capital Highway would improve response times in the southwest corner of the city. It was planned to be a double-company station in an 8,100 sq. ft. building, but has been reduced to a single-company station.								
Funding Sources								
Bond and Note Sales	389,000	0	252,000	1,852,000	0	0	0	2,104,000
Total Funding Sources	389,000	0	252,000	1,852,000	0	0	0	2,104,000
Expenditures								
Internal Materials & Services			252,000					
Total Expenditures	389,000	0	252,000	1,852,000	0	0	0	2,104,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Remodel Fire Station 15				Total Project Cost:	528,000		Area:	Southwest
				Dollars for Art:	0		Objective(s):	Maintenance, Efficiency
Project Description								
Remodel existing Fire Station 15, located at 1920 SW Spring. This project will upgrade electrical, plumbing, and mechanical systems and improve site conditions as appropriate.								
Funding Sources								
Bond and Note Sales	67,000	282,000	179,000	0	0	0	0	179,000
Total Funding Sources	67,000	282,000	179,000	0	0	0	0	179,000
Expenditures								
Internal Materials & Services			52,330					
Minor Capital Outlay			126,670					
Total Expenditures	67,000	282,000	179,000	0	0	0	0	179,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Remodel Station 24				Total Project Cost:	971,000		Area:	North
				Dollars for Art:	0		Objective(s):	Maintenance, Efficiency
Project Description								
Remodel of Station 24, 4515 North Maryland Avenue. This project will upgrade electrical, plumbing and mechanical systems and improve site conditions as appropriate.								
Funding Sources								
Bond and Note Sales	58,000	567,000	346,000	0	0	0	0	346,000
Total Funding Sources	58,000	567,000	346,000	0	0	0	0	346,000
Expenditures								
Internal Materials & Services			92,310					
Minor Capital Outlay			253,690					
Total Expenditures	58,000	567,000	346,000	0	0	0	0	346,000
Operating & Maintenance Costs			0	0	0	0	0	0

Capital Improvement Plan — Facilities Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Remodel Station 43			Total Project Cost:		919,000				
			Dollars for Art:		0				
							Area:	Northeast	
							Objective(s):	Maintenance, Efficiency	
Project Description									
Remodel Station 43, 13313 NE San Rafael Street. This project will upgrade electrical, plumbing, and mechanical systems and improve site conditions as appropriate.									
Funding Sources									
Bond and Note Sales	56,000	527,000	336,000	0	0	0	0		336,000
Total Funding Sources	56,000	527,000	336,000	0	0	0	0		336,000
Expenditures									
Internal Materials & Services			87,310						
Minor Capital Outlay			248,690						
Total Expenditures	56,000	527,000	336,000	0	0	0	0		336,000
Operating & Maintenance Costs			0	0	0	0	0		0

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Replace Fire Station 45			Total Project Cost:		1,927,000				
			Dollars for Art:		0				
							Area:	Southeast	
							Objective(s):	Replacement, Efficiency	
Project Description									
Six years ago, Council approved the reopening of Station 45 on the Gresham border, as well as a plan to build a new station in FY 2007-09. The cost of this project will be shared with the City of Gresham. The city of Portland's share of the development cost resulted in the reduction of Stations 21 and 27. This station will be a single-company, 5,600 square foot building. The projected development cost is \$1,921,000, of which 40% will be paid by the City of Gresham.									
Funding Sources									
Local Cost Sharing	3,000	0	46,000	462,000	410,000	0	0		918,000
Bond and Note Sales	3,000	0	50,000	504,000	449,000	0	0		1,003,000
Total Funding Sources	6,000	0	96,000	966,000	859,000	0	0		1,921,000
Expenditures									
Internal Materials & Services			96,000						
Total Expenditures	6,000	0	96,000	966,000	859,000	0	0		1,921,000
Operating & Maintenance Costs			0	0	0	0	0		0

	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

Parking Facilities

10th & Yamhill - Clean/Seal/Paint

Total Project Cost: 161,000

Area: Central City

Dollars for Art: 0

Objective(s): Maintenance

Project Description

This project includes cleaning, applying a seal coat, and painting the exterior surfaces of the SW 10th & Yamhill parking garage. This work is required approximately every four years.

Funding Sources

Parking Fees	0	0	0	0	0	0	161,000	161,000
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Total Funding Sources	0	0	0	0	0	0	161,000	161,000
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Expenditures

Total Expenditures	0	0	0	0	0	0	161,000	161,000
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Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

10th & Yamhill - Elevator Upgrades

Total Project Cost: 2,000,000

Area: Central City

Dollars for Art: 0

Objective(s): Replacement, Mandate

Project Description

The four elevators at the SW 10th & Yamhill parking garage must be upgraded to meet State of Oregon elevator regulatory requirements.

Funding Sources

Parking Fees	0	0	0	2,000,000	0	0	0	2,000,000
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Total Funding Sources	0	0	0	2,000,000	0	0	0	2,000,000
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Expenditures

Total Expenditures	0	0	0	2,000,000	0	0	0	2,000,000
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Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

10th & Yamhill - Repaint Steel Deck

Total Project Cost: 35,000

Area: Central City

Dollars for Art: 0

Objective(s): Maintenance

Project Description

This project will derust, preserve, and repaint the steel decks (top two floors) of the 10th and Yamhill parking garage. The existing paint coating will need to be replaced periodically to preserve the steel strength and appearance. A rust retardant will be applied first, followed by a paint topcoat.

Funding Sources

Parking Fees	0	0	35,000	0	0	0	0	35,000
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Total Funding Sources	0	0	35,000	0	0	0	0	35,000
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Expenditures

Internal Materials & Services			35,000					
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Total Expenditures	0	0	35,000	0	0	0	0	35,000
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Operating & Maintenance Costs			0	0	0	0	0	0
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	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
10th & Yamhill - Repair 2nd Level								
			Total Project Cost:		156,700			
			Dollars for Art:		0			
							Area: Central City	
							Objective(s): Maintenance, Replacement	
Project Description								
This project will repair the 2nd level ramp and 2nd level traffic bearing membrane in FY 2008-09 then replace it in FY 2010-11 at the 10th & Yamhill parking garage. This work is required to help preserve the structure and to prevent water seepage into the commercial tenant spaces below.								
Funding Sources								
Parking Fees	0	0	0	0	46,700	0	110,000	156,700
Total Funding Sources	0	0	0	0	46,700	0	110,000	156,700
Expenditures								
Total Expenditures	0	0	0	0	46,700	0	110,000	156,700
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
10th & Yamhill - Repair Common Walls								
			Total Project Cost:		12,000			
			Dollars for Art:		0			
							Area: Central City	
							Objective(s): Maintenance	
Project Description								
The common walls in the tenant areas and those in the restrooms need to be cleaned, repaired, and painted every two years or so, due to heavy use and some vandalism.								
Funding Sources								
Parking Fees	0	0	0	12,000	0	0	0	12,000
Total Funding Sources	0	0	0	12,000	0	0	0	12,000
Expenditures								
Total Expenditures	0	0	0	12,000	0	0	0	12,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
10th & Yamhill - Replace HVAC								
			Total Project Cost:		725,000			
			Dollars for Art:		0			
							Area: Central City	
							Objective(s): Replacement	
Project Description								
The HVAC system at the 10th & Yamhill Garage facility needs to be replaced, because the current centralized system causes exhaust from the restaurant to blow into the other commercial spaces. The replacement would be a decentralized system.								
Funding Sources								
Parking Fees	0	0	351,314	0	0	0	0	351,314
Rents & Reimbursements	0	0	373,686	0	0	0	0	373,686
Total Funding Sources	0	0	725,000	0	0	0	0	725,000
Expenditures								
Internal Materials & Services			725,000					
Total Expenditures	0	0	725,000	0	0	0	0	725,000
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Facilities Services

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
10th & Yamhill - Seal Stairwells					Total Project Cost:	52,000		
					Dollars for Art:	0	Area:	Central City
							Objective(s):	Maintenance
Project Description								
The stair steps require cleaning, sealing, and the application of a non skid surface every two or three years to make routine cleaning easier and to prevent odor build up caused by transient activity in the stairwells.								
Funding Sources								
Parking Fees	0	0	0	0	52,000	0	0	52,000
Total Funding Sources	0	0	0	0	52,000	0	0	52,000
Expenditures								
Total Expenditures	0	0	0	0	52,000	0	0	52,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
1st & Jefferson - Clean External Masonry					Total Project Cost:	354,000		
					Dollars for Art:	0	Area:	Central City
							Objective(s):	Maintenance
Project Description								
This project will include cleaning the exterior of the parking garage and applying a sealer coat to the masonry surfaces in FY 2006-07 and in FY 2009-10.								
Funding Sources								
Parking Fees	0	0	177,000	0	0	177,000	0	354,000
Total Funding Sources	0	0	177,000	0	0	177,000	0	354,000
Expenditures								
Internal Materials & Services			177,000					
Total Expenditures	0	0	177,000	0	0	177,000	0	354,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan			5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
1st & Jefferson - Clean/Seal Stairs					Total Project Cost:	82,000		
					Dollars for Art:	0	Area:	Central City
							Objective(s):	Maintenance
Project Description								
Stairs develop cracks due to exposure to weather. This project includes removing dirt accumulation on the stairs, then coating the surface with suitable sealing material, followed by the application of a nonskid surface to the top of each step. This treatment is required approximately every three years.								
Funding Sources								
Parking Fees	0	0	41,000	0	0	41,000	0	82,000
Total Funding Sources	0	0	41,000	0	0	41,000	0	82,000
Expenditures								
Internal Materials & Services			41,000					
Total Expenditures	0	0	41,000	0	0	41,000	0	82,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
1st & Jefferson - Replace Deck								
					85,000			
					Dollars for Art: 0			
Total Project Cost:					85,000			
Area:								Central City
Objective(s):								Maintenance
Project Description								
This project replaces the traffic bearing membrane on the 3rd & 4th levels of the parking garage.								
Funding Sources								
Parking Fees	0	0	0	0	85,000	0	0	85,000
Total Funding Sources	0	0	0	0	85,000	0	0	85,000
Expenditures								
Total Expenditures	0	0	0	0	85,000	0	0	85,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
1st & Jefferson - Replace Top Decking								
					149,000			
					Dollars for Art: 0			
Total Project Cost:					149,000			
Area:								Central City
Objective(s):								Maintenance
Project Description								
This project will replace traffic bearing membrane at the top level of the parking garage. This work is required to protect the structure every few years.								
Funding Sources								
Parking Fees	0	0	0	0	149,000	0	0	149,000
Total Funding Sources	0	0	0	0	149,000	0	0	149,000
Expenditures								
Total Expenditures	0	0	0	0	149,000	0	0	149,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
3rd & Alder - Clean External Masonry								
					179,000			
					Dollars for Art: 0			
Total Project Cost:					179,000			
Area:								Central City
Objective(s):								Maintenance
Project Description								
This project will consist of cleaning and sealing the exterior masonry surfaces of the parking garage.								
Funding Sources								
Parking Fees	0	0	0	0	179,000	0	0	179,000
Total Funding Sources	0	0	0	0	179,000	0	0	179,000
Expenditures								
Total Expenditures	0	0	0	0	179,000	0	0	179,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
3rd & Alder - Clean/Seal Stairs			Total Project Cost:		82,000			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
Stairs develop cracks due to exposure to weather. This project includes removing dirt accumulation on the stairs, then coating the surface with suitable sealing material, followed by the application of a nonskid surface to the top of each step. This treatment is required approximately every three years.								
Funding Sources								
Parking Fees	0	0	41,000	0	0	41,000	0	82,000
Total Funding Sources	0	0	41,000	0	0	41,000	0	82,000
Expenditures								
Internal Materials & Services			41,000					
Total Expenditures	0	0	41,000	0	0	41,000	0	82,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
3rd & Alder - Repair/Replace 2nd Deck			Total Project Cost:		84,000			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance, Replacement
Project Description								
This project will repair portions of the 2nd level traffic-bearing membrane at the 3rd and Alder parking garage. The traffic-bearing membrane on the ramps must be maintained on a regular schedule to prevent water from seeping into the tenant spaces below and from damaging the structural components of the parking garage.								
Funding Sources								
Parking Fees	0	0	40,000	0	0	44,000	0	84,000
Total Funding Sources	0	0	40,000	0	0	44,000	0	84,000
Expenditures								
Internal Materials & Services			40,000					
Total Expenditures	0	0	40,000	0	0	44,000	0	84,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
3rd & Alder - Replace HVAC			Total Project Cost:		300,000			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance, Replacement
Project Description								
The old and inefficient heating & cooling system will need to be replaced in FY 2009-10.								
Funding Sources								
Rents & Reimbursements	0	0	0	0	0	300,000	0	300,000
Total Funding Sources	0	0	0	0	0	300,000	0	300,000
Expenditures								
Total Expenditures	0	0	0	0	0	300,000	0	300,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
3rd & Alder - Replace Top Level Surface								
Total Project Cost:					125,000			
Dollars for Art:					0			
Area:							Central City	
Objective(s):							Maintenance, Replacement	
Project Description								
This project involves replacing the traffic-bearing membrane on the top level of the 3rd & Alder Garage.								
Funding Sources								
Parking Fees	0	0	0	0	0	125,000	0	125,000
Total Funding Sources	0	0	0	0	0	125,000	0	125,000
Expenditures								
Total Expenditures	0	0	0	0	0	125,000	0	125,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
4th & Yamhill - Clean/Seal Exterior								
Total Project Cost:					133,000			
Dollars for Art:					0			
Area:							Central City	
Objective(s):							Maintenance	
Project Description								
This project will include cleaning and sealing the exterior masonry surfaces at the parking garage in in FY 2009-10.								
Funding Sources								
Parking Fees	0	0	0	0	0	133,000	0	133,000
Total Funding Sources	0	0	0	0	0	133,000	0	133,000
Expenditures								
Total Expenditures	0	0	0	0	0	133,000	0	133,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
4th & Yamhill - Repair/Replace 2nd Floor								
Total Project Cost:					140,000			
Dollars for Art:					0			
Area:							Central City	
Objective(s):							Maintenance, Replacement	
Project Description								
This project repairs the traffic-bearing membrane for the ramp and the adjacent north side of the second level decking at the 4th & Yamhill garage in FY 2007-08, then replaces the decking in FY 2010-11. This is required to prevent water from damaging the structural components of the parking garage and the possible water seepage into the commercial tenant spaces below.								
Funding Sources								
Parking Fees	0	0	0	40,000	0	0	100,000	140,000
Total Funding Sources	0	0	0	40,000	0	0	100,000	140,000
Expenditures								
Total Expenditures	0	0	0	40,000	0	0	100,000	140,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
4th & Yamhill - Seal Stairways			Total Project Cost:		52,000			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
Stairs develop cracks due to exposure to weather. This project includes removing dirt accumulation on the stairs, then coating the surface with suitable sealing material, followed by the application of a nonskid surface to the top of each step. This treatment is required approximately every three years.								
Funding Sources								
Parking Fees	0	0	0	0	52,000	0	0	52,000
Total Funding Sources	0	0	0	0	52,000	0	0	52,000
Expenditures								
Total Expenditures	0	0	0	0	52,000	0	0	52,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Naito & Davis - Repair/Replace 2nd Floor			Total Project Cost:		140,000			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance, Replacement
Project Description								
This project will repair the 2nd level traffic-bearing membrane at the Naito & Davis parking garage in FY 2006-07, then replace the membrane in FY 2010-11. The membrane must be repaired on a regular schedule to prevent water from seeping into the tenant spaces below and from damaging the structural components of the parking garage.								
Funding Sources								
Parking Fees	0	0	50,000	0	0	0	90,000	140,000
Total Funding Sources	0	0	50,000	0	0	0	90,000	140,000
Expenditures								
Internal Materials & Services			50,000					
Total Expenditures	0	0	50,000	0	0	0	90,000	140,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Naito/Davis - Clean/Seal Exterior			Total Project Cost:		93,000			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
This project includes cleaning and sealing the exterior masonry surfaces at the parking garage in FY 2010-11.								
Funding Sources								
Parking Fees	0	0	0	0	0	0	93,000	93,000
Total Funding Sources	0	0	0	0	0	0	93,000	93,000
Expenditures								
Total Expenditures	0	0	0	0	0	0	93,000	93,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Naito/Davis - Paint Stairs/Lobby								
				Total Project Cost:		115,000		
				Dollars for Art:		0		
							Area:	Central City
							Objective(s):	Maintenance
Project Description								
This project includes the refurbishing the lobbies and stairwells by repairing and repainting the interior surfaces.								
Funding Sources								
Parking Fees	0	0	0	0	115,000	0	0	115,000
Total Funding Sources	0	0	0	0	115,000	0	0	115,000
Expenditures								
Total Expenditures	0	0	0	0	115,000	0	0	115,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Systemwide - Install Payment Technolgy								
				Total Project Cost:		944,000		
				Dollars for Art:		0		
							Area:	Central City
							Objective(s):	Replacement
Project Description								
Install automated revenue control equipment in FY 2006-07 in the 3rd & Alder, 10th & Yamhill, 4th & Yamhill, and 1st & Jefferson Garages. The upgrade, similar to that used at the Portland International Airport, will increase customer service by improving egress times in the garages and improve the accuracy of revenue collection by reducing the number of transactions handled by attendants and, over time, reduce labor costs for the parking system. This equipment will be tested in FY 2005-06 by first having it installed at Naito & Davis Garage.								
Funding Sources								
Parking Fees	0	100,000	844,000	0	0	0	0	844,000
Total Funding Sources	0	100,000	844,000	0	0	0	0	844,000
Expenditures								
Minor Capital Outlay			844,000					
Total Expenditures	0	100,000	844,000	0	0	0	0	844,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted	Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total
Systemwide - Interior Paint/Signage								
				Total Project Cost:		225,000		
				Dollars for Art:		0		
							Area:	Central City
							Objective(s):	Maintenance, Efficiency
Project Description								
This project involves the implementation of the new signage and graphics plan for the garage system as a whole, including displaying the short term parking rate changes.								
Funding Sources								
Parking Fees	0	0	225,000	0	0	0	0	225,000
Total Funding Sources	0	0	225,000	0	0	0	0	225,000
Expenditures								
Internal Materials & Services			225,000					
Total Expenditures	0	0	225,000	0	0	0	0	225,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Systemwide - Replace Awnings			Total Project Cost:		131,000			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance, Replacement
Project Description								
This project replaces the existing fabric awnings that would be at the end of their useful life at all of the SmartPark garages.								
Funding Sources								
Facilities Services Fund	0	0	0	0	0	26,200	0	26,200
Parking Fees	0	0	0	0	0	26,200	0	26,200
Rents & Reimbursements	0	0	0	0	0	78,600	0	78,600
Total Funding Sources	0	0	0	0	0	131,000	0	131,000
Expenditures								
Total Expenditures	0	0	0	0	0	131,000	0	131,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Systemwide - Restripe Stalls			Total Project Cost:		80,700			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
This project would clean all the oil drippings at parking spaces and restripe the stall markings.								
Funding Sources								
Parking Fees	0	0	0	0	0	0	80,700	80,700
Total Funding Sources	0	0	0	0	0	0	80,700	80,700
Expenditures								
Total Expenditures	0	0	0	0	0	0	80,700	80,700
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Systemwide - Upgrade Lighting			Total Project Cost:		300,000			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance, Replacement, Efficiency
Project Description								
The lights in two of the garages (3rd & Alder and Naito & Davis) are being replaced in FY 2005-06 with more energy-efficient lighting, which is expected to result in 33% lower electricity usage. The lights in the 4th & Yamhill and 1st & Jefferson garages will be replaced in FY 2006-07. The lighting upgrade was completed at the 10th & Yamhill garage in FY 2004-05.								
Funding Sources								
Parking Fees	0	150,000	150,000	0	0	0	0	150,000
Total Funding Sources	0	150,000	150,000	0	0	0	0	150,000
Expenditures								
Internal Materials & Services			150,000					
Total Expenditures	0	150,000	150,000	0	0	0	0	150,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Police Facilities

Camp Withycombe - Carpet & Paint

Total Project Cost: 81,000 **Area:** Southeast
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

Camp Withycombe receives heavy use as a police training facility, causing wear and tear on the walls and carpet. This project will repaint the interior walls and replace the carpet at the facility. The recommended schedule for repainting the interior and replacing the carpet at this facility is once every three to five years. This project is part of the long-term plan to maintain the appearance and condition of Police Bureau buildings. The scheduled maintenance approach spreads out costs and protects the investment of the asset.

Funding Sources

Police Bureau	0	0	0	0	81,000	0	0	81,000
Total Funding Sources	0	0	0	0	81,000	0	0	81,000

Expenditures

Total Expenditures	0	0	0	0	81,000	0	0	81,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

East Precinct - Replace Garage Doors

Total Project Cost: 61,000 **Area:** East
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

The garage entrance and exit are equipped with sectional overhead doors. This project will replace the existing overhead entrance and exit doors along with their associated hardware. Due to the nature of a 24-hour police facility, the garage doors receive a tremendous amount of activity with associated wear, and need to be replaced on a regular basis in order to assure critical access to and from the garage.

Funding Sources

Discretionary	0	0	0	0	61,000	0	0	61,000
Total Funding Sources	0	0	0	0	61,000	0	0	61,000

Expenditures

Total Expenditures	0	0	0	0	61,000	0	0	61,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Justice Center - 11th Floor HVAC Replacement

Total Project Cost: 68,000 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Replacement

Project Description

This project replaces the existing cooling unit of the Justice Center serving the 11th floor computer with a new 15 ton capacity unit. The existing unit is 25 years old and is requiring frequent repairs to maintain.

Funding Sources

Discretionary	0	0	68,000	0	0	0	0	68,000
Total Funding Sources	0	0	68,000	0	0	0	0	68,000

Expenditures

External Materials & Services			60,287					
Contingency			7,713					
Total Expenditures	0	0	68,000	0	0	0	0	68,000
Operating & Maintenance Costs			0	0	0	0	0	0

PROJECT DETAIL

Capital Improvement Plan — Facilities Services

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Justice Center - Building Security Improvement			Total Project Cost:		549,999			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
This project implements security improvements for the 1st and 11-16th floors of the Police Bureau portion of the Justice Center. A 2001 security study regarding the Justice Center identified several areas that significantly increase risk to the building and its occupants.								
Funding Sources								
Discretionary	0	0	183,333	183,333	183,333	0	0	549,999
Total Funding Sources	0	0	183,333	183,333	183,333	0	0	549,999
Expenditures								
External Materials & Services			162,538					
Contingency			20,795					
Total Expenditures	0	0	183,333	183,333	183,333	0	0	549,999
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Justice Center - Carpet and Paint			Total Project Cost:		370,658			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance, Replacement
Project Description								
The core on each of the five Police floors of the Justice Center consists of the hallways that circle the core of the building, the elevator lobby, and restrooms. This project will refurbish the carpet and paint in these heavily used areas - floors 11, 12, 13, 14, and 15.								
Funding Sources								
Discretionary	0	0	185,329	0	0	0	185,329	370,658
Total Funding Sources	0	0	185,329	0	0	0	185,329	370,658
Expenditures								
External Materials & Services			164,307					
Contingency			21,022					
Total Expenditures	0	0	185,329	0	0	0	185,329	370,658
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Justice Center - Facility Upgrade			Total Project Cost:		2,493,000			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
The Justice Center will receive carpet and painting during the restack which is currently underway. Due to heavy occupant and visitor use, recarpeting and repainting needs to be implemented on a rotating basis each year. Each cycle will include minor construction for remodeled and upgraded systems furniture. This rotation will cycle through the building over 5-8 years. This project maintains the appearance and improves the operation and function of the police office and precinct within the Justice Center building								
Funding Sources								
Discretionary	0	0	0	0	331,625	331,625	331,625	994,875
Total Funding Sources	0	0	0	0	331,625	331,625	331,625	994,875
Expenditures								
Total Expenditures	0	0	0	0	331,625	331,625	331,625	994,875
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised		Adopted		Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	
Justice Center - Repair Curtain Wall				Total Project Cost:	10,000				Area: Central City
				Dollars for Art:	0				Objective(s): Maintenance
Project Description									
The Justice Center has developed several curtain wall cracks in its exterior. This project is to assess the cracks and make appropriate repairs. The work will be done in conjunction with other tenants as common area repairs. This will prevent further damage and avoid possible catastrophic failure which could lead to injury of personnel and building damage.									
Funding Sources									
Discretionary	0	0	10,000	0	0	0	0	10,000	
Total Funding Sources	0	0	10,000	0	0	0	0	10,000	
Expenditures									
External Materials & Services			8,866						
Contingency			1,134						
Total Expenditures	0	0	10,000	0	0	0	0	10,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted		Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	
Mounted Patrol Unit - Carpet & Paint				Total Project Cost:	22,000				Area: Central City
				Dollars for Art:	0				Objective(s): Maintenance, Replacement
Project Description									
The Mounted Patrol Unit (MPU) offices get heavy use throughout the year. The interior office walls need to be painted and the carpets replaced due to the wear and tear of the facility. This project is part of the long-term plan to maintain the appearance and condition of Police Bureau facilities. The scheduled maintenance approach spreads out costs and projects the investment of the asset.									
Funding Sources									
Discretionary	0	0	0	22,000	0	0	0	22,000	
Total Funding Sources	0	0	0	22,000	0	0	0	22,000	
Expenditures									
Total Expenditures	0	0	0	22,000	0	0	0	22,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised		Adopted		Capital Plan				
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	
Mounted Patrol Unit - Paint Interior Offices				Total Project Cost:	43,000				Area: Central City
				Dollars for Art:	0				Objective(s): Maintenance
Project Description									
The Mounted Patrol Unit (MPU) interior barn has not been painted since the 2001 renovation. Dirt has accumulated, and paint has deteriorated due to extreme temperatures and humidity. This project is part of the long-term plan to maintain the appearance and condition of Police Bureau facilities. The scheduled maintenance approach spreads out costs and protects the investment of the asset. The MPU is highly visible to the public and other government agencies. It must present a professional, businesslike appearance, and indicate proper stewardship of public funds.									
Funding Sources									
Discretionary	0	0	0	43,000	0	0	0	43,000	
Total Funding Sources	0	0	0	43,000	0	0	0	43,000	
Expenditures									
Total Expenditures	0	0	0	43,000	0	0	0	43,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
North Precinct - Wash/Waterproof/Paint			Total Project Cost:		43,000			Area: North
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
The North Precinct is due for an exterior cleaning and painting. The exterior consists of brick, painted concrete and painted wood. This project is needed as a maintenance item to protect the surfaces from damage due to weather and age. The project will also preserve the life and appearance of the historic North Precinct building.								
Funding Sources								
Discretionary	0	0	43,000	0	0	0	0	43,000
Total Funding Sources	0	0	43,000	0	0	0	0	43,000
Expenditures								
External Materials & Services			38,123					
Contingency			4,877					
Total Expenditures	0	0	43,000	0	0	0	0	43,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Northeast Precinct - Exterior Repaint			Total Project Cost:		68,000			Area: Northeast
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
This facility is due for exterior cleaning and painting. The exterior consists of EFIS siding, painted wood and concrete. The Walnut Park commercial building is included in this project. This project is needed as a maintenance item to protect the surfaces from damage due to weather and age and to repair damages due to graffiti and abuse. It will also restore the attractiveness of the building and act to protect it from deterioration.								
Funding Sources								
Discretionary	0	0	0	68,000	0	0	0	68,000
Total Funding Sources	0	0	0	68,000	0	0	0	68,000
Expenditures								
Total Expenditures	0	0	0	68,000	0	0	0	68,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Northeast Precinct - Replace Roof			Total Project Cost:		365,000			Area: Northeast
			Dollars for Art:		0			Objective(s): Maintenance, Replacement
Project Description								
This project will replace the flat, built-up roof at the Northeast Precinct and Walnut Park retail space. The roof is nearing the end of its expected useful life and needs to be replaced in order to preserve the building. A water tight roof is essential to maintaining the integrity of the building and to reduce the cost of maintenance and repair due to water damage in the walls and ceilings caused by a leaking roof.								
Funding Sources								
Discretionary	0	0	365,000	0	0	0	0	365,000
Total Funding Sources	0	0	365,000	0	0	0	0	365,000
Expenditures								
External Materials & Services			323,599					
Contingency			41,401					
Total Expenditures	0	0	365,000	0	0	0	0	365,000
Operating & Maintenance Costs			0	0	0	0	0	0

Capital Improvement Plan — Facilities Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Police Precinct Facility Upgrade								
			Total Project Cost:		1,279,000			
			Dollars for Art:		0			
							Area: All Areas	
							Objective(s): Maintenance, Replacement	
Project Description								
Refurbish the carpet and paint, perform small remodel projects, and upgrade furniture systems for the North, Northeast, Southeast, and East Police Precinct facilities. This project will maintain the appearance and improve the operation and function of each precinct.								
Funding Sources								
Discretionary	0	0	0	0	0	255,800	255,800	511,600
Total Funding Sources	0	0	0	0	0	255,800	255,800	511,600
Expenditures								
Total Expenditures	0	0	0	0	0	255,800	255,800	511,600
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Property Warehouse Relocation								
			Total Project Cost:		1,995,000			
			Dollars for Art:		0			
							Area: Northwest	
							Objective(s): Replacement	
Project Description								
This project relocates the Police Bureau's property evidence warehouse to a building in the Guild's Lake industrial park. The current building has had ongoing problems with mold/mildew because of water infiltration into the basement level of the building. The mold presents problems for maintaining evidence and using evidence as part of a criminal case as well as a potential health problem for employees working in the building. Additionally, the current building is very old and not originally built to store property evidence. A new, modern facility will provide for more efficient and effective evidence management.								
Funding Sources								
Sale of Real Property	0	0	1,995,000	0	0	0	0	1,995,000
Total Funding Sources	0	0	1,995,000	0	0	0	0	1,995,000
Expenditures								
External Materials & Services			557,410					
Minor Capital Outlay			1,247,860					
Contingency			189,730					
Total Expenditures	0	0	1,995,000	0	0	0	0	1,995,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Walnut Park - Paving Stones

Total Project Cost: 34,000 **Area:** Northeast
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

Clean, reseal and seal the paving stones in the public areas of Walnut Park. The stones have moss growing between them and some have sunk below grade level. This will be done every four years. The project restores the attractiveness of the commercial area and improves public safety by preventing potential slipping and tripping on the stones.

Funding Sources

Discretionary	0	0	34,000	0	0	0	0	34,000
Total Funding Sources	0	0	34,000	0	0	0	0	34,000

Expenditures

External Materials & Services			30,144					
Contingency			3,856					
Total Expenditures	0	0	34,000	0	0	0	0	34,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Portland Building

Building Energy Efficiency Study

Total Project Cost: 50,000 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Efficiency

Project Description

This project will investigate the feasibility of replacing all exterior, single-pane windows with energy-efficient, modern windows and provide new lighting throughout the interior office spaces. The Portland Building's exterior windows are un-insulated, single-pane glass with un-insulated, aluminum frames and sills. This project will study how replacing the windows and installing new energy efficient lighting will impact the current building heating system capacity.

Funding Sources

Discretionary	0	0	50,000	0	0	0	0	50,000
Total Funding Sources	0	0	50,000	0	0	0	0	50,000

Expenditures

External Materials & Services			37,500					
Contingency			12,500					
Total Expenditures	0	0	50,000	0	0	0	0	50,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Carpet and Paint Floor Lobbies								
			Total Project Cost:		19,915			
			Dollars for Art:		0			
							Area: Central City	
							Objective(s): Maintenance	
Project Description								
This project will replace the carpet and repaint the walls of the floor lobbies in the building. Regular maintenance of the lobbies is required due to the high use of these areas. The new carpet and paint will help to project a clean and well maintained image of the building to the building occupants and outside visitors.								
Funding Sources								
Discretionary	0	0	19,915	0	0	0	0	19,915
Total Funding Sources	0	0	19,915	0	0	0	0	19,915
Expenditures								
External Materials & Services			17,655					
Contingency			2,260					
Total Expenditures	0	0	19,915	0	0	0	0	19,915
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Clean/Seal Building								
			Total Project Cost:		117,234			
			Dollars for Art:		0			
							Area: Central City	
							Objective(s): Maintenance	
Project Description								
This project will clean the exterior and reseal the exterior tile grout of the Portland Building. The building needs to be maintained by washing and inspecting the exterior on a regular basis. The building was last painted and sealed in 2000. The tile grout requires periodic resealing to maintain a waterproof barrier. This project prevents deterioration of the exterior materials of the building by washing away pollutants that have built up on the surface of the materials and preventing water from penetrating the materials. The cleaning and sealing of the building also provides a more aesthetically appealing building appearance and projects an image of a well maintained facility.								
Funding Sources								
Discretionary	0	0	117,234	0	0	0	0	117,234
Total Funding Sources	0	0	117,234	0	0	0	0	117,234
Expenditures								
External Materials & Services			103,937					
Contingency			13,297					
Total Expenditures	0	0	117,234	0	0	0	0	117,234
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Domestic Water Pump Replacement

Total Project Cost: 66,991 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project will replace existing domestic water booster pumps with a variable speed pumping system. Variable speed pumping would use less energy than the existing system and will provide the ability to control water delivery pressure. Additionally, a new system would facilitate maintenance since the existing system is 20 years old, and some parts have been difficult and expensive to obtain.

Funding Sources

Discretionary	0	0	66,991	0	0	0	0	66,991
Total Funding Sources	0	0	66,991	0	0	0	0	66,991

Expenditures

External Materials & Services			59,393					
Contingency			7,598					
Total Expenditures	0	0	66,991	0	0	0	0	66,991
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Exterior Pedestrian Amenities

Total Project Cost: 335,000 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Maintenance, Replacement

Project Description

This project calls for the design and development of pedestrian improvements for the first-floor loggia for public gathering and sitting. The project will include cleaning and sealing the existing concrete surface, installing new bicycle racks, and a variety of amenities such as new benches, planters, lighting, and tables and chairs. This project will enhance the viability of the Portland Building through better accommodation of the needs of retail/commercial tenant customers, building tenants, and the general public. It will improve the attractiveness of the building and add to its capability to generate rents by increasing demand for ground-floor commercial space and third-floor tenant use.

Funding Sources

Discretionary	0	0	0	0	335,000	0	0	335,000
Total Funding Sources	0	0	0	0	335,000	0	0	335,000

Expenditures

Total Expenditures	0	0	0	0	335,000	0	0	335,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Fire Alarm Testing/Repair			Total Project Cost:		41,869			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
Although alarm coverage is currently sufficient, some areas have limited audible devices and need more installed to improve the alarm sound level. This project improves the safety of occupants during an alarm event.								
Funding Sources								
Discretionary	0	0	41,869	0	0	0	0	41,869
Total Funding Sources	0	0	41,869	0	0	0	0	41,869
Expenditures								
External Materials & Services			37,120					
Contingency			4,749					
Total Expenditures	0	0	41,869	0	0	0	0	41,869
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Install Addressable Smoke/Fire Sensors			Total Project Cost:		459,880			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance, Replacement, Efficiency
Project Description								
This project will install addressable smoke/fire sensors for each floor of the building, except the first and sixth floors which had addressable sensors installed in FY 1999-2000. This project will enhance the Fire/Life/Safety equipment in the Portland Building. A description of the location of the fire or trouble condition will be displayed on the fire panel in the lobby area of the building. This will allow first responders to know the exact location in the building of the event causing the alarm. Additionally, maintenance of the system will be made more efficient because any problems with the system will be electronically reported to the main fire panel.								
Funding Sources								
Discretionary	0	0	114,970	114,970	114,970	114,970	0	459,880
Total Funding Sources	0	0	114,970	114,970	114,970	114,970	0	459,880
Expenditures								
External Materials & Services			101,929					
Contingency			13,041					
Total Expenditures	0	0	114,970	114,970	114,970	114,970	0	459,880
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Paint Building Exterior			Total Project Cost:		418,691			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
This project calls for painting all of the paintable (concrete) exterior surfaces of the building with a waterproof paint product. Painting the exterior of the Portland Building will refresh and enhance its appearance and, more importantly, will ensure water tightness, which will preserve the building's structure.								
Funding Sources								
Discretionary	0	0	0	0	0	418,691	0	418,691
Total Funding Sources	0	0	0	0	0	418,691	0	418,691
Expenditures								
Total Expenditures	0	0	0	0	0	418,691	0	418,691
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Rapid HVAC Shutdown

Total Project Cost: 142,129 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Efficiency

Project Description

This project will provide the control capability to rapidly close HVAC outside air intakes in the event of an emergency, such as dense smoke or threat by a chemical or biological agent. The project includes additional Direct Digital Controls, rapid-acting damper motors, and dampers. The Portland Building's outside air intakes are on the second level, adjacent to main city streets. They are somewhat susceptible to action by knowledgeable terrorists. Rapid-closing dampers could temporarily isolate the Portland Building ventilation air from outside influences and lessen the effects of a chemical, biological and radiological attack.

Funding Sources

Discretionary	0	0	0	0	142,129	0	0	142,129
Total Funding Sources	0	0	0	0	142,129	0	0	142,129

Expenditures

Total Expenditures	0	0	0	0	142,129	0	0	142,129
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Relocate Rescue Assistance Monitors

Total Project Cost: 41,869 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Efficiency

Project Description

This project removes rescue assistance monitors from the elevator lobbies on all floors and relocates them to locations outside the stairwells on each floor. Relocating the monitors to outside the stairwells allows people with disabilities to take shelter in safer locations than the elevator lobbies.

Funding Sources

Discretionary	0	0	0	0	41,869	0	0	41,869
Total Funding Sources	0	0	0	0	41,869	0	0	41,869

Expenditures

Total Expenditures	0	0	0	0	41,869	0	0	41,869
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Repair Leak on 13th/14th Floors

Total Project Cost: 10,050 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

Outside water is leaking into the walls of the 13th floor. It is difficult to determine the location of this intrusion. This project will locate and make all needed repairs to eliminate the water intrusion, preventing the potential for mold and mildew from developing in the wall space. Mold and mildew can lead to poor or unsafe indoor air quality.

Funding Sources

Discretionary	0	0	10,050	0	0	0	0	10,050
Total Funding Sources	0	0	10,050	0	0	0	0	10,050

Expenditures

External Materials & Services			8,910					
Contingency			1,140					
Total Expenditures	0	0	10,050	0	0	0	0	10,050
Operating & Maintenance Costs			0	0	0	0	0	0

Capital Improvement Plan — Facilities Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Replace AC on 3rd Floor

Total Project Cost: 251,200

Area: Central City

Dollars for Art: 0

Objective(s): Maintenance, Replacement

Project Description

There are three HVAC units that provide air conditioning for the City's main computer room. These units are nearing their expected operational life, and are beginning to experience breakdowns. The computer room cannot operate without this equipment operating dependably. This project begins the replacement of all three units over two years. It will ensure proper building conditioning for the City's main computer room, and will help to prevent shutdown of computer due to HVAC related failure. Additionally, new units would have higher operating efficiencies. This would be an opportunity to look at new technologies that have been developed for computer room cooling.

Funding Sources

OMF - Revenue Bureau	0	0	62,800	0	0	0	0	62,800
Technology Services Fund	0	0	188,400	0	0	0	0	188,400
Total Funding Sources	0	0	251,200	0	0	0	0	251,200

Expenditures

External Materials & Services			222,800					
Contingency			28,400					
Total Expenditures	0	0	251,200	0	0	0	0	251,200
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Replace Carpet & Paint Interior

Total Project Cost: 750,000

Area: Central City

Dollars for Art: 0

Objective(s): Maintenance

Project Description

This project sets aside money to recarpet and repaint one floor per year in case the Portland Building major maintenance account needs to contribute to the recarpeting and repainting of tenant space. Typically the cost to do this is covered by the tenant. In some cases, however, it may be prudent for the entire cost or a portion of the cost to be covered by the building's major maintenance reserve. Recarpet and repaint costs are budgeted in each year of the CIP; however, it is only practical to recarpet and repaint when other tenant improvements take place. In the past, this has occurred on about one floor per year.

Funding Sources

Discretionary	0	0	150,000	150,000	150,000	150,000	150,000	750,000
Total Funding Sources	0	0	150,000	150,000	150,000	150,000	150,000	750,000

Expenditures

External Materials & Services			132,987					
Contingency			17,013					
Total Expenditures	0	0	150,000	150,000	150,000	150,000	150,000	750,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Replace Exhaust Fans 1st floor			Total Project Cost:		21,772			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
This project will replace two aging exhaust fans (a 2 horsepower and a 5 horsepower); one is located in the Portlandia Cafe and the other in the City Kids child care space. The replacement includes installing new fans, motors, associated hood and duct connections and roof flashing. This project will restore the reliability and serviceability of the exhaust components for the two spaces.								
Funding Sources								
Discretionary	0	0	21,772	0	0	0	0	21,772
Total Funding Sources	0	0	21,772	0	0	0	0	21,772
Expenditures								
External Materials & Services			19,303					
Contingency			2,469					
Total Expenditures	0	0	21,772	0	0	0	0	21,772
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Replace HVAC 1st Floor			Total Project Cost:		133,981			Area: Central City
			Dollars for Art:		0			Objective(s): Maintenance
Project Description								
This project will replace four 25-year old air-cooled air conditioning units that cover the north side of first floor of the Portland Building. These units have exceeded their operational life and require additional maintenance to keep them functioning reliably. Two of the units serve the utility billing customer service area, one unit serves the Galloways business, and the fourth unit serves a small office space. These units will be replaced with more efficient water source heat pumps. Additionally, the units will be connected to the building's condenser loop, which will allow rejected heat from the 3rd floor computer room to be used in the winter time as a heat source for the heat pumps.								
Funding Sources								
Discretionary	0	0	133,981	0	0	0	0	133,981
Total Funding Sources	0	0	133,981	0	0	0	0	133,981
Expenditures								
External Materials & Services			118,784					
Contingency			15,197					
Total Expenditures	0	0	133,981	0	0	0	0	133,981
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Replace Window Blinds			Total Project Cost:		119,746				
			Dollars for Art:		0				
							Area: Central City		
							Objective(s): Replacement		
Project Description									
This project will replace all existing exterior window blinds. The existing exterior window blinds date back to the original construction of the building. They have deteriorated and, in many cases, they are no longer operational. This project will replace the existing blinds with modern, energy-efficient ones. The completion of this project will provide functional replacement window blinds, that are aesthetically pleasing and will mitigate solar heat gain inside the building.									
Funding Sources									
Discretionary	0	0	0	119,746	0	0	0	0	119,746
Total Funding Sources	0	0	0	119,746	0	0	0	0	119,746
Expenditures									
Total Expenditures	0	0	0	119,746	0	0	0	0	119,746
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Seal 2nd Floor Mechanical Room			Total Project Cost:		25,121				
			Dollars for Art:		0				
							Area: Central City		
							Objective(s): Maintenance		
Project Description									
The Portland Building has mechanical equipment at two locations on the second floor of the building. These areas are subject to water and other liquids being spilled on the floor and leaking through to the spaces below. This project consists of cleaning and prepping the floors and applying a floor sealant over the entire surface. This project will eliminate a potential source of water inside the floor, which may cause mold/mildew or other contaminants to cause an indoor air quality issue.									
Funding Sources									
Discretionary	0	0	25,121	0	0	0	0	0	25,121
Total Funding Sources	0	0	25,121	0	0	0	0	0	25,121
Expenditures									
External Materials & Services			22,271						
Contingency			2,850						
Total Expenditures	0	0	25,121	0	0	0	0	0	25,121
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Security Film On Windows			Total Project Cost:		45,000				
			Dollars for Art:		0				
							Area: Central City		
							Objective(s): Maintenance		
Project Description									
This project will apply a mylar film to the windows on the fourth through fifteenth floors of the Portland Building. In the event of an explosion near the building, the mylar film will provide a safety feature for people in the building and on the ground by holding the window glass in place and preventing flying glass shards. This project was identified as an important safety improvement after the 9/11 terrorist event.									
Funding Sources									
Discretionary	0	0	0	45,000	0	0	0	0	45,000
Total Funding Sources	0	0	0	45,000	0	0	0	0	45,000
Expenditures									
Total Expenditures	0	0	0	45,000	0	0	0	0	45,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

Space Plan Projects

Total Project Cost: 2,255,000

Area: Central City

Dollars for Art:

Objective(s): Expansion, Efficiency

Project Description

These projects will address the consolidation of the Revenue Bureau into the space at the Columbia Square Building, as well as rearrange the use of space in the Portland Building caused by this move.

Funding Sources

Water Bureau	0	0	258,000	0	0	0	0	258,000
OMF - Revenue Bureau	0	0	1,585,200	0	0	0	0	1,585,200
Technology Services Fund	0	0	411,800	0	0	0	0	411,800
Total Funding Sources	0	0	2,255,000	0	0	0	0	2,255,000

Expenditures

External Materials & Services			2,025,820					
Contingency			229,180					
Total Expenditures	0	0	2,255,000	0	0	0	0	2,255,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan				5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	

Upgrade Elevator Controls

Total Project Cost: 2,512,148

Area: Central City

Dollars for Art: 0

Objective(s): Maintenance, Replacement

Project Description

This project will modernize the Portland Building's elevator controls with leading-edge, non-proprietary control equipment. The Portland Building elevators are 22-years old, and the control system is near the end of its functional life expectancy. During this upgrade, modifications will also be made to the controls. The existing control equipment is proprietary to the manufacturer and is expensive to maintain. Upgrading the control equipment to newer technology that is not proprietary will increase reliability and functionality of the elevators and allow for competitive maintenance contracts. Completion of modifications will bring the building into compliance with current code requirements.

Funding Sources

Discretionary	0	0	0	0	1,256,074	1,256,074	0	2,512,148
Total Funding Sources	0	0	0	0	1,256,074	1,256,074	0	2,512,148

Expenditures

Total Expenditures	0	0	0	0	1,256,074	1,256,074	0	2,512,148
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Upgrade HVAC Boxes

Total Project Cost: 358,400
Dollars for Art: 0

Area: Central City
Objective(s): Maintenance, Replacement, Efficiency

Project Description

The Portland Building's HVAC Variable Air Volume (VAV) boxes are controlled by a pneumatic system near the end of its functional life expectancy. The existing equipment reliability is deteriorating and expensive to calibrate and maintain. This project will modernize the Portland Building's HVAC VAV box controls by converting from pneumatic controls to Direct Digital Controls (DDC's) with new technology and non-proprietary control equipment. Upgrading the control equipment to newer technology will increase its reliability and functionality. DDC's provide the ability to rapidly diagnose problems and maintain more exact temperature control. Upgrading the VAV boxes will eliminate labor intensive troubleshooting with the HVAC system and allow global control of the VAV boxes from one location. Such control will enable problems to be determined quickly and allow for adjustments to be tracked, reducing callbacks. Energy savings should be realized with global control through better control of night setback scheduling and reducing hot/cold spots within the building.

Funding Sources

Discretionary	0	0	0	358,400	0	0	0	358,400
Total Funding Sources	0	0	0	358,400	0	0	0	358,400
Expenditures								
Total Expenditures	0	0	0	358,400	0	0	0	358,400
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Portland Communications Center

Clean & Seal Building Exterior

Total Project Cost: 55,180
Dollars for Art: 0

Area: East
Objective(s): Maintenance

Project Description

The building was partially painted and sealed in 2002. The building needs to be maintained by washing, sealing and inspecting the exterior on a regular basis. This project prevents premature exterior surface failure caused by pollutants and harsh weather which deteriorate the exterior surfaces. This project will prolong the life of the exterior building treatments as well as projecting a better image to the public of the building being maintained properly. This project will also prevent concealed damage from occurring.

Funding Sources

Discretionary	0	0	55,180	0	0	0	0	55,180
Total Funding Sources	0	0	55,180	0	0	0	0	55,180
Expenditures								
External Materials & Services			55,180					
Total Expenditures	0	0	55,180	0	0	0	0	55,180
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
POEM Move								
			Total Project Cost:	103,240			Area:	Southeast
			Dollars for Art:				Objective(s):	Efficiency
Project Description								
This project is for the potential move of the Portland Office of Emergency Management.								
Funding Sources								
Discretionary	0	0	103,240	0	0	0	0	103,240
Total Funding Sources	0	0	103,240	0	0	0	0	103,240
Expenditures								
External Materials & Services			91,120					
Contingency			12,120					
Total Expenditures	0	0	103,240	0	0	0	0	103,240
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Replace UPS Battery System								
			Total Project Cost:	250,380			Area:	East
			Dollars for Art:	0			Objective(s):	Replacement
Project Description								
This project will replace the Uninterrupted Power Supply (UPS) batteries which support the operations area of the facility. At the time of replacement, the battery system will have reached its expected useful life. It is key that this system be replaced before its reliability comes into question. A reliable UPS system will ensure that the 911 center continues to provide its critical operations even during a power failure.								
Funding Sources								
Discretionary	0	0	0	0	0	250,380	0	250,380
Total Funding Sources	0	0	0	0	0	250,380	0	250,380
Expenditures								
Total Expenditures	0	0	0	0	0	250,380	0	250,380
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Union Station

Transportation Enhancement Grant

Total Project Cost: 1,151,050 **Area:** Central City
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project involves conducting the design and construction of replacement roofs over the shop area and Wilf's restaurant, preservation work of masonry on the building's exterior, repair of loose balustrades at the tower balcony, and the repair of existing historic doors, using some new, historically sensitive replacements. The project also will provide some exterior repairs to awnings, metal and carpentry work, paint, and sealants, repairs to interior public space finishes, such as the travertine, plaster, and terrazzo flooring, and anchor marble veneers over two windows at the main concourse. This work is identified in the Facility and Seismic Work Plan completed in 2001 and will address many immediate problems associated with water infiltration and protection of the building's historic fabric.

Funding Sources

State Grants	139,519	335,125	680,406	0	0	0	0	680,406
Total Funding Sources	139,519	335,125	680,406	0	0	0	0	680,406

Expenditures

External Materials & Services			603,229					
Contingency			77,177					
Total Expenditures	139,519	335,125	680,406	0	0	0	0	680,406
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

CityFleet Facilities

Exterior Sealing (West & South Walls)

Total Project Cost: 111,000 **Area:** Northeast
Dollars for Art: 0 **Objective(s):** Maintenance

Project Description

This project will apply a waterproof coating to the exterior masonry surfaces of the building. These areas of concrete masonry units and stucco walls are experiencing extensive water penetration and interior wall surface scaling, as well as cracking. Sealing these exterior walls of the building will prevent damage due to water intrusion. Sealing the exterior walls of the building will also mitigate structural damage due to water intrusion and its interaction with the structural rebar systems.

Funding Sources

Discretionary	0	0	0	0	111,000	0	0	111,000
Total Funding Sources	0	0	0	0	111,000	0	0	111,000

Expenditures

Total Expenditures	0	0	0	0	111,000	0	0	111,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Kerby Building - Computer Room HVAC

Total Project Cost: 25,000
Dollars for Art: 0

Area: Northeast
Objective(s): Maintenance, Efficiency

Project Description

The computer room HVAC addition will provide a split system, cooling only the unit for the server room. BTS indicates that server crashes are caused by high and inconsistent temperatures inside server rooms. This work will provide a stable climate for the servers 24 hours a day.

Funding Sources

Discretionary	0	0	25,000	0	0	0	0	25,000
Total Funding Sources	0	0	25,000	0	0	0	0	25,000

Expenditures

External Materials & Services			22,165					
Contingency			2,835					
Total Expenditures	0	0	25,000	0	0	0	0	25,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Powell Garage Window Replacement

Total Project Cost: 256,000
Dollars for Art: 0

Area: Southeast
Objective(s): Maintenance

Project Description

The current windows are the building originals which are uninsulated single pane. They are very energy inefficient and mechanically deteriorated. New windows will provide greater efficiency and allow the occupants with fresh air during the summer months. The building is also very visible, located at the junction of SE Powell and 12th. New windows and the planned exterior paint project will provide the community with a more neighborly appearance.

Funding Sources

Discretionary	0	0	0	0	256,000	0	0	256,000
Total Funding Sources	0	0	0	0	256,000	0	0	256,000

Expenditures

Total Expenditures	0	0	0	0	256,000	0	0	256,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Powell Garage-Seal Carport Roof

Total Project Cost: 300,000
Dollars for Art: 0

Area: Southeast
Objective(s): Maintenance

Project Description

This project will replace the current deteriorated roof, metal gutters and downspouts at the carport. This project will be done in conjunction with seal coating the main roof. The installation of a new roof at the carport will provide protection to the structure from water leaks and replace the current deteriorated roofing system. The seal coating of the main roof will extend the life of the existing roof.

Funding Sources

Discretionary	0	0	0	0	300,000	0	0	300,000
Total Funding Sources	0	0	0	0	300,000	0	0	300,000

Expenditures

Total Expenditures	0	0	0	0	300,000	0	0	300,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Training Room HVAC Install								
			Total Project Cost:		50,000			
			Dollars for Art:		0			
							Area: Northeast	
							Objective(s): Maintenance	
Project Description								
Install a roof top HVAC unit for the training room. This HVAC unit will provide temperature control for the training room.								
Funding Sources								
Discretionary	0	0	50,000	0	0	0	0	50,000
Total Funding Sources	0	0	50,000	0	0	0	0	50,000
Expenditures								
External Materials & Services			44,329					
Contingency			5,671					
Total Expenditures	0	0	50,000	0	0	0	0	50,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Records Center								
Records Center Improvements								
			Total Project Cost:		40,000			
			Dollars for Art:		0			
							Area: North	
							Objective(s): Maintenance	
Project Description								
These projects would address immediate maintenance needs for the building. The projects include correcting moisture intrusion and cleaning and repairing exterior features of the facility. The Records Center is an older building in moderate condition. These improvements are needed to maintain the facility in working condition.								
Funding Sources								
City Auditor	0	0	40,000	0	0	0	0	40,000
General Fund	0	0	0	0	0	0	0	0
Total Funding Sources	0	0	40,000	0	0	0	0	40,000
Expenditures								
External Materials & Services			35,463					
Contingency			4,537					
Total Expenditures	0	0	40,000	0	0	0	0	40,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Spectator Facilities

Memorial Coliseum

Total Project Cost: 2,800,000

Area: Central City

Dollars for Art: 0

Objective(s): Maintenance, Replacement

Project Description

The Spectator Facilities Fund is responsible for all capital improvements at the Memorial Coliseum. The City has conducted two studies and explored several reuse options for Memorial Coliseum in the past three years. At this point, a viable reuse option has not been identified. The Memorial Coliseum continues to be operated by the Portland Arena Management (PAM) and the City has no operating responsibilities or operating liability for the facility. The building is over 40 years old and capital improvements are a City cost. The previous studies concluded that \$7-\$10 million in capital improvements is needed to continue to operate the facility as a spectator venue. The current budget includes a program of reinvesting \$500,000 annually into the Memorial Coliseum to improve the appearance and reliability of the facility under the assumption that it will remain in its current use for the next several years.

Funding Sources

Rents & Reimbursements	150,000	150,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Total Funding Sources	150,000	150,000	500,000	500,000	500,000	500,000	500,000	2,500,000

Expenditures

Minor Capital Outlay			500,000					
Total Expenditures	150,000	150,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

PGE Park

Total Project Cost: 1,510,000

Area: Central City

Dollars for Art: 0

Objective(s): Maintenance, Replacement

Project Description

The Spectator Facilities Fund is responsible for all capital improvements at PGE Park. The capital budget allows the City to address all the capital requirements called for in the new PGE Park operating agreement such as roof repair/replacement and turf replacement. Additional money is also budgeted for unexpected capital repairs due to system failures.

Funding Sources

Rents & Reimbursements	50,000	50,000	80,000	45,000	165,000	120,000	1,000,000	1,410,000
Total Funding Sources	50,000	50,000	80,000	45,000	165,000	120,000	1,000,000	1,410,000

Expenditures

Minor Capital Outlay			80,000					
Total Expenditures	50,000	50,000	80,000	45,000	165,000	120,000	1,000,000	1,410,000
Operating & Maintenance Costs			0	0	0	0	0	0

Technology Services

Legislative, Administrative, and Support Service Area

Overview and Financial Tables

DIVISION SUMMARY

Overview

The Bureau of Technology Services (BTS) is responsible for the deployment and maintenance of the City's communication and information technology (IT) applications and infrastructure, including public safety radio, telephony, data networks, personal computers and servers, data storage, and many core applications - Geographic Information System (GIS), PortlandOnline, IBIS, IRNE, and other systems. The CIP is designed to address the range of critical infrastructure deployed by BTS to support voice and data communications, infrastructure in support of computer operations, information security, and critical application systems.

CIP Highlights

The most critical projects replace or enhance key elements of the infrastructure: \$255,000 for radio tower improvements to meet system availability requirements and Federal Communication Commission (FCC) standards; \$150,000 for fiber optic cabling expansion to support growing demand; and \$485,000 to consolidate outdated, distributed, and nonstandard tape backup and recovery infrastructure into a standardized enterprise backup and recovery utility.

Major Issues

The major issue for the BTS CIP remains a lack of forecasted funding for information technology equipment replacement. While limited replacement funds are established for some user devices associated with the public safety radio system, video systems, and phone sets, no similar systematic approach exists for the full range of IT network, communications, or computing equipment. Much of this equipment had been a responsibility of the bureau that had prior ownership, most did not explicitly budget for replacement, and no fund was established to build reserves for this purpose. The result is visible throughout the server storage, tape backup, and recovery infrastructure; old and non-standard equipment in need of replacement pose a significant financial liability that must be overcome to create a self-sustaining environment. The strategy is based on efficiencies from consolidation being reinvested into future replacement funds, with the initial capital for consolidation coming from a combination of the BTS technology Reserve, bureau funds, and grants.

Key concerns with the BTS infrastructure and supported applications include:

- ◆ Limited remaining supported life for the 800 MHz radio system.
- ◆ Limited data bandwidth for mobile computing via the 800 MHz system.
- ◆ Lack of enterprise disaster planning and a standardized backup environment.
- ◆ Critical applications (PPDS and IBIS) are operated on a very obsolete mainframe. With the decision to move forward with an IBIS replacement, an interim upgrade of the operating system is being completed. Exploration of the feasibility to avoid mainframe replacement by migrating the Police data system will be undertaken.

- ◆ PPDS and the CAD application at the heart of the Emergency Communication Center operations are both custom systems, running on outdated platforms, facing critical retirements of key support personnel, and serious potential problems acquiring personnel with the requisite skills. Planning for the future of these applications is now underway, but it will be necessary to plan replacement.
- ◆ Lack of funding to maintain and upgrade the IRNE system.

800 MHz System

The 800 MHz system is a critical system that has to be replaced in the next five years. The core system, including backbone equipment and software, has to be replaced because Motorola will not continue to provide support for the obsolete technology. The underlying component chips are old, and Motorola is focusing on digital rather than analog systems. The estimated cost to replace the system is \$30-\$50 million. BTS and adjacent counties are pursuing grants to replace the system with one that would be used by all local counties and would have Portland as the prime site. Replacement will allow for increased interoperability between the City and neighboring counties and will allow for increased bandwidth, a requirement for using the system more for data communications.

Just as the core system has to be replaced in the next five years, the system's devices which use the system have to be replaced. Some radios were replaced in FY 2005-06 as part of the Nextel re-banding of the 800 MHz frequencies, with the cost of replacement paid by Nextel. Device rates currently include a replacement rate, but this rate is not sufficient to fully fund all replacement needs in the next five years. If the devices had to be replaced in FY 2006-07 there would be a one-time funding gap of \$9 million.

Changes From Prior Year

For FY 2005-06, a major change was made to expand the CIP to address the broader areas of technology infrastructure. Changes for FY 2006-07 reflect the adjustments to priorities based on the work completed and funded and underway since the last plan.

STRATEGIC DIRECTION

Council Goals and Priorities

The 800 MHz component of BTS's CIP supports the City goal to ensure a safe and peaceful community with well-sited, adequate public safety and emergency response facilities. A reliable 800 MHz system is the backbone of the City's emergency response system. As public safety response is becoming more data dependent, the health of the City's data network gains in criticality. Aging public safety systems and applications pose a risk to future public safety operations.

City Comprehensive Plan

Not applicable.

Management Direction

For this capital plan, the Bureau of Technology Services' focus continues to be on the core corporate elements of its infrastructure, with special emphasis on public safety systems, infrastructure elements that address reliability and availability of data, and information security. Priority was given to essential services and system upgrades and replacements to meet regulatory requirements, to address increasing demand, and where asset replacement would facilitate cost savings and efficiency.

CAPITAL PLANNING & BUDGETING

Capital Planning Process

The programs in BTS responsible for the CIP projects prepared their list of items and rationale for inclusion in the CIP. A management review group refined the list and coordinated items that were related. Primary priority was given to items that supported public safety, improved reliability, availability, and security of data, and supported the BTS plans to consolidate infrastructure to gain efficiencies. The Chief Technology Officer made final adjustments based on available funds in the technology reserve.

As BTS is responsible for almost the entire City information technology and communications infrastructure, the primary coordination opportunities were in the area of network development, coordinating the previous efforts of the former divisions of Communications and Networking and Information Technology, and in fiber construction, which is coordinated through a cooperative agreement with TriMet and Oregon Department Of Transportation (with the active participation of the Office of Transportation) and direct discussions with the Bureaus of Water Works and Environmental Services.

Asset Management and Replacement Plans

Generally, the CIP projects identified here are maintenance or enhancements of existing systems. Some of the projects address upgrades to meet demand, which often have little or no impact on maintenance costs. In some cases, replacement of equipment lowers licensing and maintenance costs, as described. Some projects support infrastructure consolidation, which may lower future maintenance and replacement costs. Today those asset replacement obligations remain as unfunded liabilities in many bureaus. With consolidation, efforts will be made to redirect any savings into future replacement funding. The major security item is a planning study to allow for BTS to properly prepare for and recover its critical IT systems in the event of a disaster.

CAPITAL PROGRAMS & PROJECTS

Program Description The BTS CIP has five major programs:

800 MHz System

800 MHz is the program that addresses major maintenance of the Public Safety Radio Network. BTS is responsible for maintaining and operating communications systems for the City. BTS operates a highly reliable mobile radio system and has engineered reasonable capacity for mobile data using this public safety grade infrastructure. These systems are known collectively as the 800 MHz Public Safety Radio System. This system now serves a majority of public safety providers in the region, including 100 outside agencies such as local governments, counties, hospitals, ambulance companies, utilities, TriMet, school districts, and others with a need for public safety-grade communications. Significant investment in the system is necessary to continue to offer reliable service to public safety users in the region, including the City's own public safety agencies, such as the Police Bureau, Portland Fire and Rescue, and BOEC.

The system has been in operation for 13 years of a 20-year lifespan (bonding period). However, the lifespan will not extend to 20 years as the manufacturer will not support the analog technology for that period. The system's maintenance needs are increasing, as is the need to upgrade software and hardware to address current standards of performance, vendor support issues, and additional traffic on the system. Reliance on communications

technology has grown in public safety over the last decade, and it is now unthinkable to place an officer on the street or in a vehicle without radio communications. This increase in technology demands for law enforcement has created much greater requirements on the radio system for performance and coverage than have historically been necessary or that were foreseen in the original system design and financial plan.

The City is in the process of implementing a financial strategy to provide funding for replacement of the radio system. The demands for additional system capabilities in the aftermath of 9/11 will require replacement on a more rapid schedule. Replacement planning is identified as a CIP activity within the five-year CIP; however, no funding for replacement (estimated at \$30 - \$50 million) is requested in the CIP in FY 2006-07.

Telecommunications

Telecommunications is the CIP program that addresses major maintenance and enhancement of IRNE, which provides telephone and data network infrastructure to support the City and partner governments. This program supports the fiber network that underpins voice and data communications, the telephone switching equipment and the SONET network that provides the high-availability backbone for the telephone network and many of the data network services. It also has the responsibility to upgrade, where cost effective, the network capabilities of the City buildings that are not on the fiber network. The fiber network and the SONET infrastructure also serve partner agencies, and additional telephone services may be offered to partner agencies in the future.

The core of the IRNE network is relatively new. However, there are enhancements that are required for capacity or to maintain support. IRNE rates do not currently fund a maintenance reserve; however, as efficiencies are implemented, the net savings may be captured for major maintenance funding. All the efficiencies created since implementation of IRNE have gone into rate reduction. Replacement of the core switching, which is not anticipated in the five-year CIP window, would be funded, like the original system, through debt issuance.

One critical project that is not funded in the CIP is the development of a portable disaster recovery switch for the telephone system. In the event of a disaster impacting the Communications Center, this switch would allow the restoration of the City's phone system in a short time to support City business needs. This project is estimated at \$400,000.

IT Operations

IT Operations is the CIP program that provides for the replacement and enhancement of the IT network, server and storage infrastructures, and the facility that houses them. The focus of the CIP is on centralization and consolidation of the City's server, storage, backup, and recovery infrastructure as well as power and air conditioning capabilities for facilities which host critical IT systems and networks. Such consolidation and centralization efforts are critical to decreasing costs and achieving efficiencies by maximizing the use of assets and to reduce staffing requirements of a highly fragmented infrastructure. Successful consolidation requires upfront investment and proper coordination to achieve these benefits.

Historically, many of the servers and many elements of storage, backup, and recovery were purchased by bureaus, and their replacement was meant to be a bureau responsibility. Unfortunately, most bureaus did not budget for these items, and found money only when a replacement was critical due to a catastrophic failure. Even where budgeted, the money was not carried over in a structured manner to assure the ongoing availability of replacement funds. The result is a significant unfunded liability for system replacement and

enhancement of these key IT components. Funding for some projects where bureaus have had the responsibility for replacement will include bureau funding, but the major portions of the CIP will come primarily from the BTS technology reserve in FY 2006-07. Additionally, future replacement funds may be augmented through savings that occur from the consolidation of these services.

Information Security

Information Security is the CIP program for enhancing security to protect critical IT infrastructure and data. Information Security is delivered in cooperation with staff from IT Operations, Telecommunications, and Strategic Technology. Information security addresses policies, processes, technology, and education to reduce risks of IT security threats. The CIP focuses on continuing to improve the City's ability to detect and address these vulnerabilities and risks.

New in the FY 2006-07 CIP is the project to support an independent assessment of the City's ability to restore critical computing and communications infrastructure in the event of a major disaster. The City acquires, transmits, and maintains IT data and communications systems that could, if disrupted, significantly impact public safety, public services, and citizen and business financial security for an extended period of time. Currently the City does not maintain a central comprehensive IT disaster recovery and business continuity plan. Such an assessment would determine future funding, planning, and resource requirements needed to support the continued operation of the City's most critical computing and communications infrastructure.

Funding for elements of the Information Security CIP may be available through Homeland Security grant sources; funds for several security initiatives in FY 2005-06 were obtained through such a grant. A comprehensive IT disaster recovery and business continuity plan is funded from rates.

Strategic Technology

Strategic Technology is the CIP program that addresses applications-related capital projects, including replacing critical applications, improving management and accessibility of data, and enhancing integration among applications to improve business processes. BTS is responsible for the many corporate applications and, in conjunction with bureaus, for critical applications that support bureau operations. The primary corporate applications are IBIS and its related applications for time-keeping, personnel actions, payroll, and benefits (replacement is a capital project under the Chief Administrative Officer), GIS, and PortlandOnline. The most critical bureau-related applications that may need replacement (or migrated to a new platform and/or code base) within the CIP five-year time frame are the CAD application and the PPDS. Funding for these system replacements is not included in this CIP; funding for the initial study on the CAD system was included in the FY 2005-06 Public Safety Fund budget. Funding for a further examination of migration options for the PPDS is included in the Police Bureau budget.

Funding Sources

Funding for the CIP comes from the following sources:

- ◆ 800 MHz system rates provide an annual stream of maintenance funds.
- ◆ The 800 MHz program will receive funds from the Capital Set-Aside within the General Fund.
- ◆ A comprehensive IT disaster recovery and business continuity plan will be funded through a one-time rate surcharge.

- ◆ The BTS technology reserve is a source of funding for some projects in FY 2006-07. In the future the technology reserve will be used as the fund of last resort to bridge funding gaps. BTS will most likely have less than \$200,000 available in the technology reserve after FY 2006-07.
- ◆ IT rates do not currently provide funding for capital replacement. In the future, BTS plans to keep efficiency savings from consolidation projects to fund replacement and maintenance.
- ◆ Bureau funds for the replacement of servers and backup and recovery infrastructure will be accumulated to support costs of consolidated infrastructure, with future savings going to fund future replacements.
- ◆ Grants will be sought. Public safety and homeland security sources may provide critical infrastructure, such as the replacement of the 800 MHz radio system and information security funding. For both PPDS and 800 MHz systems, which play critical roles in the region, efforts are underway to involve regional partners in the replacement strategy.

Major Projects by Program

800 MHz System

Testing Equipment: Replace outdated test equipment and acquire specialized equipment for new microwave system.

System Replacement Planning: Perform study to determine specifications for replacement of 800 MHz system.

System Equipment: Standardize channel banks; heated dish for Bear Creek; Anymedia for Headworks; antenna restoration kit.

Tower Maintenance and Equipment Relocations: Structural strengthening, painting, and re-cabling of critical tower assets to meet required system availability and FCC standards. Relocate equipment to improve operations and interagency coordination.

Telecommunications

SONET Upgrades: Replace ethernet cards to improve efficiency and support Quality of Service for Voice Over Internet Protocol (VOIP).

Network Management Upgrade: Implement Ciscoworks 2000 and MRTG/Cacti to support management, troubleshooting and reporting for INET.

Future Fiber Builds: Top priority fiber builds provide connection to Printing and Distribution and the Columbia Square Building. Additional builds, if feasible within budget, provide redundant access to the Fire training center and diverse route to central eastside facilities.

Remote Circuit Expansion: Add an additional seven slots in DLST Shelf for future T-1s, expanding the remote circuit capacity.

IT Operations

Data Network Infrastructure: Reduce documented Spanning Tree problems that make the network as currently designed brittle and difficult to recover; improve Portland Building performance; improve network monitoring system, and improve bandwidth on slow links.

Core Storage Capacity Expansion: Increase capacity of centralized storage to meet demand increases and enterprise back-up facilities; add high availability file serving from the Storage Area Network.

Replace and Consolidate Servers: Replace at-risk servers with new server clusters.

IT Security

Remote Connection to Network: Implement a browser based method to secure remote connections to the City network.

Security Scanning and Audit: Implement infrastructure for regular security scanning and auditing.

Two-factor Authentication: Implement infrastructure for replacing passwords with improved security.

Intrusion Detection: Implement additional protection for critical servers and data.

Disaster Recovery & Business Continuity: Complete an independent assessment to determine funding, planning and resource requirements needed to support the continued operation of the City's most critical computing and communications infrastructure in the event of a major disaster.

Strategic Technology

Upgrades to GIS Infrastructure

Net Operating Maintenance Costs or Savings

Some of the CIP projects have specific savings associated with them. The network re-design, started in FY 2005-06 to reduce the risk of network failure, has the additional benefit of reducing maintenance charges for many components of network equipment. More difficult to estimate are specific costs associated with equipment consolidation. Costs occur in replacement, acquisition, and maintenance of unused capacity, as well as additional staffing requirements associated with maintenance of the excess resources. Servers, for example, require backup, monitoring, and patching. Consolidating multiple servers into a single hardware platform reduces the required staffing, although not in a linear manner as the consolidated platforms generally are more complex environments to manage. Consolidating storage generates savings in a number of ways. It reduces the effort for monitoring storage, allows pooling of storage to allow a higher utilization of capacity, supports moving data from higher cost to lower cost storage pools as data access requirements drop, and separates storage replacement from server replacement as storage devices generally have a longer useful life than server replacements. Consolidation of the backup and recovery systems build on the consolidation of storage in the SAN. It reduces the number of devices, allows much better control of the backup processes, and facilitates recovery from either data center .

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

800 MHz Radio System

Repeater Site Channel Expansion

Total Project Cost: 100,000
Dollars for Art:

Area: All Areas
Objective(s): Expansion, Efficiency

Project Description

Add Channels at repeater sites based on loading to maintain critical capacity; install equipment removed from site E22 in SW to provide coverage in PCC area.

Funding Sources

Discretionary	0	0	0	50,000	50,000	0	0	100,000
Total Funding Sources	0	0	0	50,000	50,000	0	0	100,000

Expenditures

Total Expenditures	0	0	0	50,000	50,000	0	0	100,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Simulcast Expansion

Total Project Cost: 400,000
Dollars for Art:

Area: All Areas
Objective(s): Expansion, Efficiency

Project Description

Add Channels 25-28 at five sites to add critical capacity to 800 MHz system.

Funding Sources

Discretionary	0	0	0	400,000	0	0	0	400,000
Total Funding Sources	0	0	0	400,000	0	0	0	400,000

Expenditures

Total Expenditures	0	0	0	400,000	0	0	0	400,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

System Equipment

Total Project Cost: 184,500
Dollars for Art:

Area: Undefined
Objective(s): Maintenance, Replacement, Efficiency

Project Description

Standardize channel banks; heated dish for Bear Creek; Anymedia for Headworks; Antenna restoration kit.

Funding Sources

Discretionary	0	0	184,500	0	0	0	0	184,500
Total Funding Sources	0	0	184,500	0	0	0	0	184,500

Expenditures

External Materials & Services			184,500					
Total Expenditures	0	0	184,500	0	0	0	0	184,500
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
System Replacement Planning			Total Project Cost:		85,000			Area: All Areas
			Dollars for Art:					Objective(s): Replacement
Project Description								
Perform study to determine specifications for replacement of the 800 MHz system.								
Funding Sources								
General Fund	0	0	85,000	0	0	0	0	85,000
Total Funding Sources	0	0	85,000	0	0	0	0	85,000
Expenditures								
External Materials & Services			85,000					
Total Expenditures	0	0	85,000	0	0	0	0	85,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Testing Equipment			Total Project Cost:		135,000			Area: All Areas
			Dollars for Art:					Objective(s): Expansion, Efficiency
Project Description								
Replace outdated test equipment and acquire specialized equipment for new microwave system.								
Funding Sources								
Discretionary	0	30,000	105,000	0	0	0	0	105,000
Total Funding Sources	0	30,000	105,000	0	0	0	0	105,000
Expenditures								
External Materials & Services			105,000					
Total Expenditures	0	30,000	105,000	0	0	0	0	105,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Tower Maintenance			Total Project Cost:		1,905,000			Area: All Areas
			Dollars for Art:					Objective(s): Maintenance
Project Description								
Structural strengthening, painting, and recabling of critical tower assets to meet required system availability and FCC standards. Relocate equipment to improve operations and interagency coordination.								
Funding Sources								
General Fund	0	0	235,000	300,000	300,000	300,000	0	1,135,000
Discretionary	0	0	20,000	0	350,000	400,000	0	770,000
Total Funding Sources	0	0	255,000	300,000	650,000	700,000	0	1,905,000
Expenditures								
External Materials & Services			255,000					
Total Expenditures	0	0	255,000	300,000	650,000	700,000	0	1,905,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

IT Operations

Core Storage Capacity Expansion

Total Project Cost: 715,000

Area: All Areas

Dollars for Art:

Objective(s): Expansion, Efficiency

Project Description

Increase capacity of centralized storage to meet demand increases and enterprise back-up facilities.

Funding Sources

Discretionary	0	10,000	485,000	50,000	70,000	50,000	50,000	705,000
Total Funding Sources	0	10,000	485,000	50,000	70,000	50,000	50,000	705,000

Expenditures

External Materials & Services			49,000					
Minor Capital Outlay			436,000					
Total Expenditures	0	10,000	485,000	50,000	70,000	50,000	50,000	705,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	

Data Network Infrastructure

Total Project Cost: 1,072,500

Area: All Areas

Dollars for Art:

Objective(s): Maintenance, Replacement, Efficiency

Project Description

Reduce documented Spanning Tree problems that make the network as currently designed brittle and difficult to recover; improve Portland Building performance; and improve bandwidth on slow links.

Funding Sources

Discretionary	0	485,000	75,000	400,000	0	55,000	57,500	587,500
Total Funding Sources	0	485,000	75,000	400,000	0	55,000	57,500	587,500

Expenditures

External Materials & Services			75,000					
Total Expenditures	0	485,000	75,000	400,000	0	55,000	57,500	587,500
Operating & Maintenance Costs			(65,000)	(65,000)	(65,000)	(65,000)	(65,000)	(325,000)

Capital Improvement Plan — Technology Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Replace & Consolidate Servers								
			Total Project Cost:			1,198,000		
			Dollars for Art:					
						Area: Central City		
						Objective(s): Maintenance, Replacement, Efficiency		
Project Description								
Replace approximately 100+ at-risk servers with 15 new server clusters. Replace mainframe to assure stability of PPDS as operating system not supported, while reducing maintenance and software licensing costs. A new mainframe will allow a new form of software license, with cost reductions with reduced use when IBIS is replaced.								
Funding Sources								
Discretionary	0	350,000	128,000	80,000	365,000	275,000	0	848,000
Total Funding Sources	0	350,000	128,000	80,000	365,000	275,000	0	848,000
Expenditures								
External Materials & Services			28,000					
Minor Capital Outlay			100,000					
Total Expenditures	0	350,000	128,000	80,000	365,000	275,000	0	848,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Information Security								
Disaster Recovery								
			Total Project Cost:			250,000		
			Dollars for Art:					
						Area: All Areas		
						Objective(s): Maintenance, Efficiency		
Project Description								
Complete an independent assessment to determine funding, planning, and resource requirements needed to support the continued operation of the City's most critical computing and communications infrastructure in the event of a major disaster.								
Funding Sources								
Interagency Revenues	0	0	100,050	0	0	0	0	100,050
Local Cost Sharing - Portland	0	0	931	0	0	0	0	931
Discretionary	0	0	149,019	0	0	0	0	149,019
Total Funding Sources	0	0	250,000	0	0	0	0	250,000
Expenditures								
External Materials & Services			250,000					
Total Expenditures	0	0	250,000	0	0	0	0	250,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Intrusion Detection			Total Project Cost:		211,360				
			Dollars for Art:						
							Area:	All Areas	
							Objective(s):	Maintenance, Efficiency	
Project Description									
Implement additional protection for critical servers and data.									
Funding Sources									
Discretionary	0	14,700	20,000	16,700	62,860	99,100	0	198,660	
Total Funding Sources	0	14,700	20,000	16,700	62,860	99,100	0	198,660	
Expenditures									
External Materials & Services			20,000						
Total Expenditures	0	14,700	20,000	16,700	62,860	99,100	0	198,660	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Remote Connections to Network			Total Project Cost:		63,000				
			Dollars for Art:						
							Area:	All Areas	
							Objective(s):	Replacement, Mandate, Efficiency	
Project Description									
Implement a browser-based method to secure remote connections to the City network.									
Funding Sources									
Discretionary	0	58,000	5,000	0	0	0	0	5,000	
Total Funding Sources	0	58,000	5,000	0	0	0	0	5,000	
Expenditures									
External Materials & Services			5,000						
Total Expenditures	0	58,000	5,000	0	0	0	0	5,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Security Scanning & Audit			Total Project Cost:		60,000				
			Dollars for Art:						
							Area:	All Areas	
							Objective(s):	Maintenance, Efficiency	
Project Description									
Implement infrastructure for regular security scanning and auditing.									
Funding Sources									
Discretionary	0	10,000	10,000	40,000	0	0	0	50,000	
Total Funding Sources	0	10,000	10,000	40,000	0	0	0	50,000	
Expenditures									
External Materials & Services			10,000						
Total Expenditures	0	10,000	10,000	40,000	0	0	0	50,000	
Operating & Maintenance Costs			0	0	0	0	0	0	0

Capital Improvement Plan — Technology Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Two Factor Authentication			Total Project Cost:		519,265		Area: All Areas		
			Dollars for Art:				Objective(s): Maintenance, Efficiency		
Project Description	Implement infrastructure for replacing passwords with improved security.								
Funding Sources									
Discretionary	0	35,750	10,000	151,250	126,760	195,505	0	483,515	
Total Funding Sources	0	35,750	10,000	151,250	126,760	195,505	0	483,515	
Expenditures									
External Materials & Services			10,000						
Total Expenditures	0	35,750	10,000	151,250	126,760	195,505	0	483,515	
Operating & Maintenance Costs			0	0	0	0	0	0	

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Telecommunications			Total Project Cost:		60,000		Area: All Areas	
			Dollars for Art:				Objective(s): Expansion, Efficiency	
Canned Remote Site								
Project Description	Prepackage remote site and keep powered for ready deployment. Purchase new site with funds from installation using current package.							
Funding Sources								
Discretionary	0	0	0	0	60,000	0	0	60,000
Total Funding Sources	0	0	0	0	60,000	0	0	60,000
Expenditures								
Total Expenditures	0	0	0	0	60,000	0	0	60,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Future Fiber Builds			Total Project Cost:		1,184,203		Area: All Areas		
			Dollars for Art:				Objective(s): Expansion, Efficiency		
Project Description	Top-priority fiber builds provide connection to Printing and Distribution and Columbia Square Building. Additional builds, if feasible within budget, provide redundant access to Fire training center and diverse route to central eastside facilities.								
Funding Sources									
Discretionary	169,203	150,000	150,000	415,000	200,000	100,000	0	865,000	
Total Funding Sources	169,203	150,000	150,000	415,000	200,000	100,000	0	865,000	
Expenditures									
External Materials & Services			150,000						
Total Expenditures	169,203	150,000	150,000	415,000	200,000	100,000	0	865,000	
Operating & Maintenance Costs			0	0	0	0	0	0	

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Network Management Upgrade			Total Project Cost:		27,657				
			Dollars for Art:						
Area:									All Areas
Objective(s):									Efficiency
Project Description									
Implement Cicsoworks 2000 and MRTG/Cacti to support management, troubleshooting, and reporting for INET.									
Funding Sources									
Discretionary	0	2,657	25,000	0	0	0	0	0	25,000
Total Funding Sources	0	2,657	25,000	0	0	0	0	0	25,000
Expenditures									
External Materials & Services			25,000						
Total Expenditures	0	2,657	25,000	0	0	0	0	0	25,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Portland Building Recabling			Total Project Cost:		128,000				
			Dollars for Art:						
Area:									Central City
Objective(s):									Replacement, Expansion, Efficiency
Project Description									
Install CPI vertical manager, replace horizontal with Panduit type, and demolish unused copper cable.									
Funding Sources									
Discretionary	0	0	0	29,000	31,000	33,000	35,000	128,000	128,000
Total Funding Sources	0	0	0	29,000	31,000	33,000	35,000	128,000	128,000
Expenditures									
Total Expenditures	0	0	0	29,000	31,000	33,000	35,000	128,000	128,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total	
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11		
Remote Circuit Expansion			Total Project Cost:		824,166				
			Dollars for Art:						
Area:									All Areas
Objective(s):									Expansion, Efficiency
Project Description									
Add additional seven slots in DLST shelf for future T-1s, expanding the remote circuit capacity.									
Funding Sources									
Discretionary	34,041	780,125	10,000	0	0	0	0	0	10,000
Total Funding Sources	34,041	780,125	10,000	0	0	0	0	0	10,000
Expenditures									
External Materials & Services			10,000						
Total Expenditures	34,041	780,125	10,000	0	0	0	0	0	10,000
Operating & Maintenance Costs			0	0	0	0	0	0	0

Capital Improvement Plan — Technology Services

PROJECT DETAIL

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Remote Site Centrex Replacement			Total Project Cost: 253,000				Area: All Areas	
			Dollars for Art:				Objective(s): Replacement, Efficiency	
Project Description								
This project replaces Centrex phone lines at many remote sites, focusing on those sites that have 15 lines or more (approximately 20 sites have as many as 500 lines).								
Funding Sources								
Discretionary Rev - One-Time	0	0	253,000	0	0	0	0	253,000
Total Funding Sources	0	0	253,000	0	0	0	0	253,000
Expenditures								
External Materials & Services			253,000					
Total Expenditures	0	0	253,000	0	0	0	0	253,000
Operating & Maintenance Costs			(70,000)	(195,000)	(195,000)	(195,000)	(195,000)	(850,000)

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
SONET Upgrades			Total Project Cost: 712,337				Area: All Areas	
			Dollars for Art:				Objective(s): Maintenance, Expansion, Efficiency	
Project Description								
Upgrade ONS 15454 TCC+ cards to TCC2 cards and upgrade Portland Building and Communications Center ONS to HD chassis or ADD chassis. These upgrades will enhance support on the network and the ability to support critical SONET features. Replace ethernet cards to improve efficiency and support Quality of Service for Voice Over Internet Protocol (VOIP).								
Funding Sources								
Discretionary	43,337	159,000	60,000	0	150,000	300,000	0	510,000
Total Funding Sources	43,337	159,000	60,000	0	150,000	300,000	0	510,000
Expenditures								
External Materials & Services			60,000					
Total Expenditures	43,337	159,000	60,000	0	150,000	300,000	0	510,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Voice Mail Replacement			Total Project Cost: 350,000				Area: All Areas	
			Dollars for Art:				Objective(s): Replacement, Efficiency	
Project Description								
Replace OCTEL system with unified messaging system.								
Funding Sources								
Discretionary	0	0	0	0	350,000	0	0	350,000
Total Funding Sources	0	0	0	0	350,000	0	0	350,000
Expenditures								
Total Expenditures	0	0	0	0	350,000	0	0	350,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
VOIP Network Management								
			Total Project Cost:		50,000			
			Dollars for Art:					
							Area:	All Areas
							Objective(s):	Expansion, Efficiency
Project Description								
System to monitor voice system and monitor and record history of Voice Over Internet Protocol (VOIP) calls.								
Funding Sources								
Discretionary	0	0	0	50,000	0	0	0	50,000
Total Funding Sources	0	0	0	50,000	0	0	0	50,000
Expenditures								
Total Expenditures	0	0	0	50,000	0	0	0	50,000
Operating & Maintenance Costs			0	0	0	0	0	0

	Revised	Adopted	Capital Plan					5-Year Total
	Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	
Strategic Technology								
Upgrades to GIS Infrastructure								
			Total Project Cost:		200,000			
			Dollars for Art:					
							Area:	All Areas
							Objective(s):	Maintenance, Replacement, Expansion, Efficiency
Project Description								
Upgrades to GIS servers and related equipment.								
Funding Sources								
Discretionary	0	0	200,000	0	0	0	0	200,000
Total Funding Sources	0	0	200,000	0	0	0	0	200,000
Expenditures								
External Materials & Services			200,000					
Total Expenditures	0	0	200,000	0	0	0	0	200,000
Operating & Maintenance Costs			0	0	0	0	0	0

Citywide Projects

Legislative, Administrative, and Support Service Area

Overview and Financial Tables

DIVISION SUMMARY

The OMF Special Projects Appropriation Unit (AU) was set up for managing large one-time projects for the City. With the replacement of the City's automated customer information system completed in FY 2005-06, the AU now has one active project: the implementation of an Enterprise Resource Planning (ERP) system.

Enterprise Business System Project

The City implemented the current core financial system, IBIS, in 1989. This 16-year-old system is not able to meet City business needs for transaction functionality or information integration, tracking, reporting, and dissemination. An independent study was conducted in 2004 by the Government Finance Officers Association (GFOA) to analyze the current state of the City financial system and its viability in today's technical environment. The study included a large number of key City staff, among whom there was a clear consensus regarding the need for a modern financial system, reiterating the conclusions of a previous study conducted by GFOA in 2000. The report recommended the replacement of IBIS with robust, integrated ERP system software.

On August 10, 2004, the Council directed OMF to take the necessary next steps to acquire and implement an ERP system, including completing and implementing a financial plan and including the cost of the Enterprise Business System Project (EBSP) in the City five-year financial forecast.

The EBSP has a number of implications for City bureaus:

- ◆ The bureaus' share of annual debt service for the project began in FY 2005-06 and has been incorporated into rate budgets that are at current appropriation level targets for inflation increases
- ◆ The existing, stand-alone billing and management information systems that bureaus have will either be modified to interface with the new ERP system or will be decommissioned
- ◆ The implementation of the ERP system will include a review of business needs and practices and identify standardized, Citywide leading business practices, which may be different than those now used by the bureaus
- ◆ The financial structures of the bureaus will be reviewed and improvements made to standardize them to take full advantage of the benefits of the new ERP system

CAPITAL PROGRAMS & PROJECTS

Enterprise Business System Project

The EBSP project has two major phases.

Phase 1:

- ◆ Select and procure both a System Integrator (SI) consultant and a Quality Assurance (QA) consultant
- ◆ Assess and document City business needs and system requirements
- ◆ Benchmark major financial, procurement, and human resource business processes
- ◆ Develop and issue a Request For Proposal (RFP) for ERP software selection and procurement
- ◆ Evaluate and select ERP software
- ◆ Select an Implementation (IMP) consultant for Phase 2

Phase 2:

- ◆ Implement the selected ERP system
- ◆ Standardize and implement leading practice financial and business processes Citywide
- ◆ Measure progress and benefits of changes enabled by the ERP system implementation

A project charter and governance have been established through appointment of a Project Sponsor, Project Director, Executive Steering Committee, and an Advisory Committee. The Project Manager, Project Contracts Manager, and project team leads have been appointed and are functioning in their project capacities.

Phase 1, which began in August 2005, is nearing completion with the final stages of the ERP software selection and IMP consultant selection to occur in the summer of 2006. Phase 2 will commence with project implementation expected to take two to three years following ERP software and IMP consultant contract negotiations, City Council approval, Phase 2 Project Planning completion, project team subject matter expert staffing, and project Phase 2 funding authorization.

	Revised	Adopted	Capital Plan					
Prior Years	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	5-Year Total	

Enterprise Business System Project

Enterprise Business System Project

Total Project Cost: 14,000,000

Area: All Areas

Dollars for Art: 0

Objective(s): Replacement

Project Description

This project would implement the recommendation of GFOA that the City replace its IBIS business system with a new Enterprise Business System (EBS). Under this project, the City would seek competitive proposals for software and implementation services for the system. The core system would include general ledger, AP, purchasing, grants, project accounting, fixed assets, HR, and payroll.

Funding Sources

Technology Services Fund	321,266	4,395,848	7,471,205	2,443,519	2,443,419	0	0	12,358,143
Total Funding Sources	321,266	4,395,848	7,471,205	2,443,519	2,443,419	0	0	12,358,143

Expenditures

Personal Services			1,350,978					
External Materials & Services			5,016,283					
Internal Materials & Services			516,859					
Minor Capital Outlay			587,085					
Total Expenditures	321,266	4,395,848	7,471,205	2,443,519	2,443,419	0	0	12,358,143
Operating & Maintenance Costs			0	0	0	0	0	0