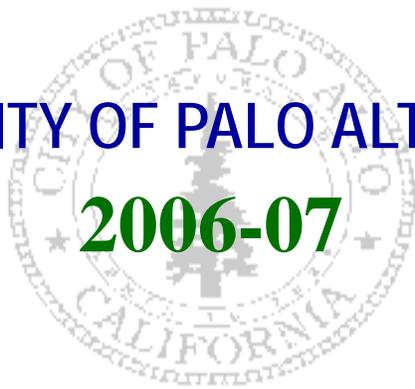




City of Palo Alto  
**2006-07 ADOPTED  
Capital Budget**







CITY OF PALO ALTO

2006-07

City Council

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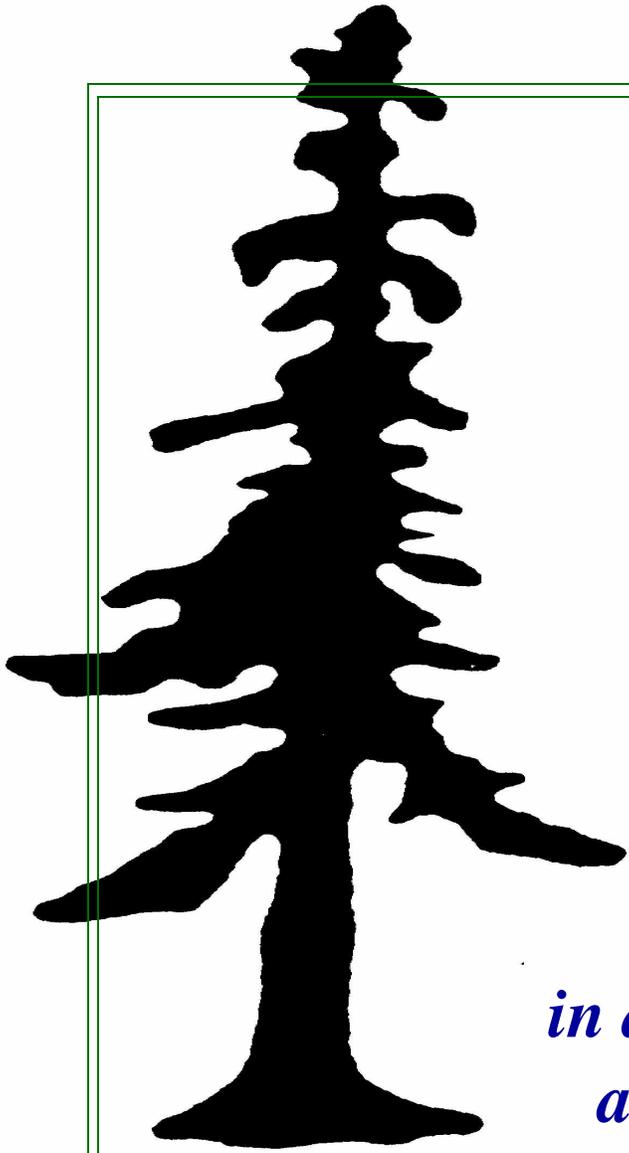
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*Assistant Director of Administrative Services*

Yoriko Kishimoto  
*Finance Committee Chair*



*The government of  
the City of Palo Alto  
exists to promote  
and sustain  
a superior quality  
of life in Palo Alto.*

*In partnership  
with the community,  
our goal is to deliver  
cost-effective services  
in a personal, responsive,  
and innovative manner.*

**The City of Palo Alto's Values:**

*Quality* - Superior delivery of service.

*Courtesy* - Providing service with respect and concern.

*Efficiency* - Productive, effective use of resources.

*Integrity* - Straight-forward, honest and fair relations.

*Innovation* - Excellence in creative thought and implementation.

***It's a Matter of Pride!***

# CITY OF PALO ALTO

2006-07

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# Capital Improvement Program

## Organizational Chart



**FISCAL YEAR 2006-07 POSITION TOTALS: 61.30 FULL-TIME**





## Honorable Mayor and Council Members

The 2006-11 Proposed Capital Budget is submitted for your review. As the City prepares to enter its sixth year of constrained resources, the commitment to the infrastructure program remains strong. The City continues to restructure its operations to identify and sustain funding for future capital work. While challenges remain, concrete actions have been taken to fulfill Council's "CityWorks" priority.

In 2004-05, the Infrastructure Reserve (IR) was moved to the General Capital Projects Fund, allowing \$1.0 million in annual interest income to be accrued in the fund. This action met half of the Council's \$2.0 million annual goal to replenish the IR. The remaining \$1.0 million was to be achieved through year-end General Fund surpluses achieved through budget reductions. In addition to fulfilling that \$2.0 million annual commitment, the General Fund will continue to transfer \$3.6 million which is a total annual commitment of \$5.6 million in 2006-07.

Furthermore, concerned about the drawdown of the IR over time, Council established as one of its Top 3 Priorities increasing infrastructure funding by \$3.0 million annually. To accomplish this, the City must implement both an increase in one or more revenue sources and a reduction in current expenses for reallocation to infrastructure. Staff will present to the City Council within the 2006-07 fiscal year a funding plan for this additional \$3.0 million in IR funding.

The City can take pride in a recent observation by the City's external auditor that Palo Alto is most unique among California cities in having a considerable General Fund reserve to address its infrastructure needs.

The proposed budget includes capital expenditures totaling \$52.0 million in 2006-07. This includes \$14.3 million for the General Fund, \$31.9 million for the Enterprise Funds, and \$5.8 million for the Internal Service Funds. The General Fund CIP includes infrastructure as well as other miscellaneous capital projects.

Two of the Council's top priorities--enhancing police facilities and library services and emergency preparedness--would receive \$2.0 million in this CIP (\$1.6 million in 2006-07 and \$0.4 million in 2007-08). These funds are allocated as follows:

- Police Building - \$1.0 million
- Library Service Model Analysis - \$0.4 million
- Mobile Command Vehicle - \$0.4 million

## INTRODUCTION



Citywide Capital  
 Improvement Program  
 (CIP)

## General Fund Capital Plan



- Emergency Notification System - \$0.2 million

The infrastructure reserve will provide the initial funding of \$1.8 million for the Police Building, Library Service Model Analysis and Mobile Command Vehicle projects while the Technology Fund will supplement the \$0.2 million for the Emergency Notification System project. The General Fund will reimburse IR and the Technology Fund from the year-end surpluses.

Proposed infrastructure funding for 2006-07 projects includes \$4.7 million for buildings and facilities, \$4.0 million for street maintenance and sidewalk repairs, and \$2.7 million in parks and open space projects for a total of \$11.4 million. In addition, there is \$2.9 million for non-Infrastructure Management Plan (IMP) projects. The total funding commitment for the coming year's General Fund capital program is \$14.3 million.

The following are major projects that will be initiated or constructed in 2006-07:

- Boulware Park Improvements
- Hoover Park Improvements
- Ramos Park Improvements
- Civic Center Infrastructure Improvements (multi-year project)
- College Terrace Library and Child Care Center Improvements
- Art Center Electrical and Mechanical Upgrades
- Children's Theatre Fire/Life Safety Upgrades
- Cubberley Community Center Fire Alarm System
- Cubberley Wing I Elevator Upgrades
- Open Space Maintenance Shop Rehabilitation
- Foothills Park Interpretive Center and Open Space Maintenance Yard Parking Lots
- San Antonio Medians
- Annual Street Maintenance Project
- Annual Sidewalk Repairs Project
- Police Building
- Library Service Model Analysis

Please note that the above projects reflect a wide variety and dispersion of planned improvements throughout the community.

Following Council direction in setting priorities, the CIP budget includes a Public Safety Building project. This project will develop preliminary plans, cost estimates, environmental impact review, and site evaluation for a likely Police building. The final configuration of the facility will be based on the recommendation of the Police Building Blue Ribbon Task Force and approval by

the City Council. In summer, 2006, staff will present to the Council a Public Safety Building Proposal based upon the Task Force's findings.

Another CIP project that addresses Council's priorities is the Library Service Model Analysis. The Library Advisory Commission is working to develop a comprehensive Citywide plan for the library system which will include: 1) a community survey with public input on priorities and preferences for services; 2) a review of trends and best practices among libraries nationwide; 3) analysis of the existing Palo Alto City Library (PACL) service model; and 4) recommendations for improving services, operations and infrastructure.

The Mobile Command Vehicle project, scheduled to commence in 2007-08, is a response to the City Council's Emergency Preparedness priority. The mobile command vehicle is designed to provide a self-contained, self-supporting command and communication center in times of emergency. This amount is not included in the Vehicle and Equipment Fund budget.

The following General Fund non-infrastructure projects are included in the proposed 2006-11 Capital Plan. These projects are related to health and safety or respond to City Council direction:

- ALS Monitors/Defibrillators for paramedic use at a cost of \$120,000 per year for two years
- Art in Public Places at \$50,000 to \$60,000 per year for five years
- Street Light Improvements at \$110,000 to \$125,000 per year for five years
- Traffic Signal Upgrades at \$135,000 to \$155,000 per year for five years

Although the City is making progress on rehabilitating existing infrastructure, there are notable funding challenges where replacement of existing facilities or construction of new facilities is necessary or desired. These projects include the replacement of Fire Stations 3 and 4, the rehabilitation and maintenance of the Roth building, and construction of a Police Building. Other significant projects include the libraries (the Library Director continues to work with the Council and community on developing a master plan for the City's Library system) and the Palo Alto Art Center and Palo Alto Junior Museum and Zoo (efforts are underway to develop private/public partnerships to renovate and expand these facilities). A summary of partially or unfunded CIP projects is provided on page 283 of this budget document. These projects cannot be completed until funding sources are identified.

As previously cited, a second major challenge is the projected decline of the Infrastructure Reserve over the next five years. Recent revenue constraints, the addition of unanticipated projects, inflationary pressures, and the discovery of needed work not identified in the original Adamson Study have put pressure on the IR and drawn it down sooner than originally anticipated. At the end of fiscal year 2005-06, the reserve balance is projected to be \$17.7 million. By the end of 2010-11 the reserve is expected to be \$0.7 million.

## General Fund Fiscal Challenges

## Enterprise Funds



## Internal Service Funds CIP

## Project Coordination

To better reassess our capital needs and update funding requirements, a general building study will be conducted in 2005-06 to update the original Adamson Study.

The CIP for the City's Enterprise Funds remains a critical part of the infrastructure commitment to our citizen-customers. The City's utilities are integral to our community. In April 2005, Palo Alto property owners approved a proposed storm drain fee increase. These new revenues will provide resources for the Storm Drain Improvements project. The Electric, Water, Gas, and Wastewater Collection funds continue to pursue an aggressive infrastructure improvement schedule in the adopted CIP. For example, the City continues to proactively repair and replace utility poles, electrical substations, gas and water mains, and the plant system necessary to maintain a reliable flow of electric, gas and water services to customers. This CIP budget contains proposed wastewater treatment projects that will help strengthen the Regional Water Quality Control Plant Infrastructure serving Palo Alto and other participating local government partners. The five-year plan also includes two new projects in the Refuse Fund, both relating to the landfill closure in 2011.

CIP projects are implemented by two of the City's Internal Service Funds: the Technology and Vehicle Replacement Funds.

Technology CIP projects enhance service delivery to the community and to City staff through the efficient and effective implementation of information technology. In response to the City Council's Emergency Preparedness priority, the Emergency Notification System project is proposed. It will enhance the automated alerting system that the Police Department uses to inform the community about emergency situations.

Vehicle capital projects support fleet management and equipment maintenance. A significant addition to the 2006-11 CIP Plan is inclusion of the budget for replacing vehicles and equipment. This addition provides more transparency to planned vehicle and equipment acquisition activities, since the activities are documented in greater detail within the CIP budget than they were in the operating budget.

As in the past, the CityWorks Team has reviewed all proposed Utility capital projects to ensure coordination with General Fund work. This is especially important for scheduled street maintenance and sidewalk replacement. In addition, with the assistance of the Planning Department, the Team evaluated potential Utility project impacts in special master planning areas and in City parks and open space. While no major conflicts were identified, plans for increased emergency water storage, for example, will require close coordination and review in the future, since work may take place in park areas and may involve public right-of-way issues.

In the 2005-10 capital budget document, the format reflected changes suggested by the public and Council to make the document more clear and concise. These enhancements have continued with the 2006-11 CIP. In addition, this year's publication includes a five- year summary of capital improvement program revenues and debt obligations as well as the City's debt policy.

In these challenging economic times, the proposed Capital Plan was developed to meet Council's ongoing infrastructure priority while optimizing City resources on the highest priority projects. By allocating \$14.3 million in General Fund, \$31.9 million on Enterprise Fund and \$5.8 million on Internal Service Fund projects in 2006-07, I believe Council's priority has been addressed. Although challenges lie ahead, as always, we have made significant strides in bolstering the foundation for City service delivery to the community.

It is my pleasure to extend thanks to all City staff involved in preparing the 2006-11 Proposed Capital Budget. This includes the members of the CityWorks Team: Emily Harrison in the City Manager's Office; Mike Sartor, Sharon Macway, and Karen Smith in the Public Works Department; Paul Dias and Greg Betts in the Community Services Department; Gayle Likens in the Planning Department; and Joe Saccio in the Administrative Services Department. I would also like to thank Carl Yeats and Lalo Perez in the Administrative Services Department. A special acknowledgement goes to Amy Javelosa-Rio in the Budget Office for her work as the lead CIP Analyst. Also within the Budget Office, David Ramberg, Budget Manager, and Cherie McFadden, Graphic Designer, provided assistance.



Frank Benest

City Manager

Capital Budget  
Document Changes

CONCLUSION

Acknowledgements





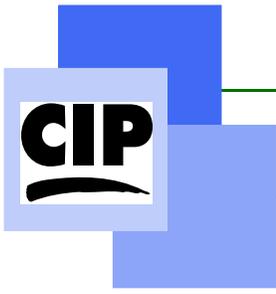
**TABLE OF CONTENTS**





**Table of Contents**





# Table of Contents

CIP Number	Project Title	Page Number
------------	---------------	-------------

## MESSAGE

Transmittal Letter . . . . .	vii
------------------------------	-----

## TABLE OF CONTENTS

### OVERVIEWS

The Capital Budget Process and Document . . . . .	1
Summary of Capital Improvement Program Revenues . . . . .	10
Debt Policy and Obligations . . . . .	18

### FINANCIAL SUMMARY

2006-11 Capital Improvement Projects Summary by Fund . . . . .	25
Capital Improvement Fund Financial Summary . . . . .	27
2006-11 Capital Improvement Projects . . . . .	28
2006-07 Capital Projects by Fund -Total Expenditures . . . . .	41
2006-07 Capital Projects by Fund - Total Funding Sources . . . . .	42
2006-07 General Fund Capital Projects - Total Expenditures by Category . . . . .	43
2006-07 General Fund Capital Projects - Total Funding Sources . . . . .	44
General Fund Capital Projects - Budgeted Investments in Capital Assets vs. Depreciation . . . . .	45
2005-06 Adopted CIP Projects . . . . .	47

### CAPITAL FUND PROJECTS

General Fund Overview - Capital Improvement Program . . . . .	53
---	----

### INFRASTRUCTURE MANAGEMENT PLAN

Infrastructure Map . . . . .	61
------------------------------	----

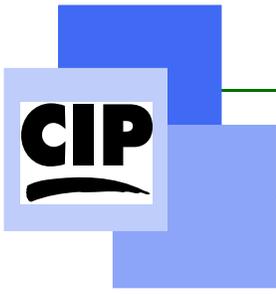
### BUILDINGS AND FACILITIES

PF-93009 Americans with Disabilities Act Compliance . . . . .	65
PF-07000 Art Center Electrical & Mechanical Upgrades . . . . .	66
PF-07002 Baylands Interpretive Center Improvement . . . . .	67
PF-01003 Building Systems Improvements . . . . .	68
PF-09000 Children's Theatre Improvements . . . . .	69



# Table of Contents

CIP Number	Project Title	Page Number
PF-07003	Children's Theatre Fire/Life Safety Upgrades . . . . .	70
PF-01002	Civic Center Infrastructure Improvements . . . . .	71
PF-06003	Cubberley Community Center Fire Alarm System . . . . .	73
PF-04010	Cubberley Mechanical and Electrical Upgrades . . . . .	74
PF-06004	Cubberley Restroom Upgrades . . . . .	75
PF-07001	Cubberley Wing I Elevator Upgrade . . . . .	76
PF-02022	Facility Interior Finishes Replacement . . . . .	77
PF-05003	Foothills Park Interpretive Center Improvements . . . . .	78
PE-05010	Library: College Terrace Library and Child Care Center Improvements . . . . .	79
PF-09001	Library: Downtown Library Mechanical and Electrical Upgrades . . . . .	80
PF-07010	Library: Main Library Improvements . . . . .	81
PF-05002	Municipal Service Center Renovation . . . . .	82
OS-07003	Open Space Maintenance Shop Rehabilitation . . . . .	83
PE-98020	Public Safety Building . . . . .	84
PF-00006	Roofing Replacement . . . . .	85
PE-06001	San Antonio Bridge Structural Repairs and Maintenance . . . . .	86
PF-06001	Ted Thompson Garage Improvements . . . . .	88
PF-06002	Ventura Buildings Improvements . . . . .	89
 <b>STREETS AND SIDEWALKS</b>		
PL-04010	Bicycle Boulevards Implementation Project . . . . .	93
PO-89003	Sidewalk Repairs . . . . .	94
PE-86070	Street Maintenance . . . . .	95
 <b>PARKS AND OPEN SPACE</b>		
PE-06006	Alma Street Landscape Improvements . . . . .	99
PE-07009	Baylands Athletic Center Fencing, Dugout and Trailhead Parking Renovations . . . . .	100
PG-06003	Benches, Signage, Fencing, Walkways, and Perimeter Landscaping . . . . .	101
PE-07006	Boulware Park Improvements . . . . .	102
PE-07005	California Avenue Improvements . . . . .	103
PE-06010	City Parks Improvements . . . . .	104
PE-07004	Cogswell Plaza Improvements . . . . .	106
PE-07007	Cubberley Turf Renovation . . . . .	107
OS-07002	Foothills Park Interpretive Center and Open Space Maintenance Yard Parking Lots . . . . .	108
OS-07000	Foothills Park Road Improvements . . . . .	109
PE-07002	Hoover Park Improvements . . . . .	110
PE-07001	Hopkins Park Improvement . . . . .	111
OS-00002	Open Space Lakes and Ponds Maintenance . . . . .	112



# Table of Contents

CIP Number	Project Title	Page Number
------------	---------------	-------------

OS-00001	Open Space Trails and Amenities . . . . .	113
PE-07003	Ramos Park Improvements . . . . .	114
PE-08001	Rinconada Park Improvements . . . . .	115
PE-00104	San Antonio Medians . . . . .	116
PG-98001	School Playing Field Irrigation . . . . .	117
PE-06011	Street Median Improvements . . . . .	118
PG-06001	Tennis and Basketball Court Resurfacing . . . . .	119

## NON-INFRASTRUCTURE MANAGEMENT PLAN

FD-05000	Sixteen(16) ALS Monitor/Defibrillators . . . . .	123
AC-86017	Art in Public Places . . . . .	124
PL-06002	Comprehensive Parking Signage Plan . . . . .	125
PL-07001	Intermodal Transit Center . . . . .	126
PE-07011	Library Service Model Analysis . . . . .	127
PD-07000	Mobile Command Vehicle . . . . .	128
PE-06007	Park Restroom Installation . . . . .	129
PE-05001	Photovoltaic Design and Installations . . . . .	130
PL-00026	Safe Routes to School . . . . .	131
PO-05054	Street Lights Improvements . . . . .	132
PL-05030	Traffic Signal Upgrades . . . . .	133

## ENTERPRISE FUNDS

Enterprise Funds Overview - Capital Improvement Program . . . . .	139
---	-----

## ELECTRIC FUND

. . . . .	147
Electric Map . . . . .	147
EL-04014 Automated Meter Reading System . . . . .	149
EL-05001 Colorado Sw Sta 115kV Bus Installation . . . . .	150
EL-89031 Communications System Improvements . . . . .	151
EL-08000 E. Charleston 4/12kV Conversion . . . . .	152
EL-08002 E. Meadow/Alma/Loma 4/12kV Conversion . . . . .	153
EL-05000 El Camino Underground Rebuild . . . . .	154
EL-89028 Electric Customer Connections . . . . .	155
EL-98003 Electric System Improvements . . . . .	156
EL-02011 Electric Utility GIS . . . . .	157
EL-06006 Fiber Optic Customer Connections (formerly EL-98002) . . . . .	158



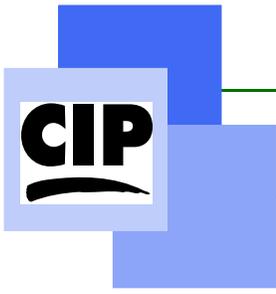
# Table of Contents

CIP Number	Project Title	Page Number
------------	---------------	-------------

EL-06005	Fiber Optic Network System Improvements (formerly EL-98001)	159
EL-04013	Foothills Communication Improvement Plan	160
EL-11004	Hewlett Subdivision Rebuild Los Trancos Road	161
EL-09002	Middlefield / Colorado 4/12 kV Conversion	162
EL-09000	Middlefield Underground Rebuild	163
EL-06000	Park Blvd. 4/12 kV Conversion	164
EL-06004	Power Generation Alternatives - Feasibility Study	165
EL-11003	Rebuild UG District 15	167
EL-09003	Rebuild UG District 17	168
EL-11005	Rebuild UG District 22	169
EL-10006	Rebuild UG District 24	170
EL-05003	Relocation - Alma Substation	171
EL-02010	SCADA System Upgrades	172
EL-11002	St. Francis/Oregon/Amarillo/Louis 4/12kV Conversion	173
EL-89044	Substation Facility Improvements	174
EL-89038	Substation Protection Improvements	175
EL-11001	Torrey Court Rebuild	176
EL-09001	UG District 43 - San Antonio	177
EL-03001	UG District 41 - Colorado/Cowper/Oregon	178
EL-08001	UG District 42 - Fairmeadow Area	179
EL-06002	UG District 45 - Downtown V	180
EL-06003	Utility Control Center Upgrades	181
EL-04012	Utility Site Security Improvements	182

## GAS FUND

Gas Map		185
GS-02013	Directional Boring Machine	187
GS-03007	Directional Boring Equipment	188
GS-80019	Gas Meters and Regulators	189
GS-80017	Gas System Extensions	190
GS-06001	GMR - Project 16	191
GS-07002	GMR - Project 17	193
GS-08011	GMR - Project 18	195
GS-09002	GMR - Project 19	196
GS-10001	GMR - Project 20	197
GS-11000	GMR - Project 21	198
GS-03008	Polyethylene Fusion Equipment	199
GS-03009	System Extensions - Unreimbursed	200



# Table of Contents

CIP Number	Project Title	Page Number
------------	---------------	-------------

## WATER FUND

Water Map		203
WS-09000	Seismic Water Tank Valve	205
WS-07000	Water Regulation Station Improvements	206
WS-80015	Water Meters	207
WS-80014	Water Service Hydrant Replacement	208
WS-80013	Water System Extensions	209
WS-07004	Water System Portable Emergency Generators	210
WS-02014	W-G-W Utility GIS Data	211
WS-06002	WMR - Project 20	212
WS-07003	WMR - Project 21	213
WS-08017	WMR - Project 22	215
WS-09001	WMR - Project 23	216
WS-10001	WMR - Project 24	218
WS-11000	WMR - Project 25	219

## WASTEWATER COLLECTION FUND

WC-99013	Sewer Manhole Rehab/Replacement	223
WC-80020	Sewer System Extensions	224
WC-06003	WW Collection Sys. Rehab/Aug. Project 19	225
WC-07004	WW Collection Sys. Rehab/Aug. Project 20	226
WC-08012	WW Collection Sys. Rehab/Aug. Project 21	227
WC-09001	WW Collection Sys. Rehab/Aug. Project 22	228
WC-10002	WW Collection Sys. Rehab/Aug. Project 23	229
WC-11000	WW Collection Sys. Rehab/Aug. Project 24	230

## REFUSE FUND

RF-11001	Landfill Closure	233
RF-07001	Relocation of Landfill Facilities	234

## WASTEWATER TREATMENT FUND

WQ-06014	Disinfection Facility Improvement Program	237
WQ-04011	Facility Condition Assessment & Retrofit	238
WQ-80021	Plant Equipment Replacement	239
WQ-04010	Replace Existing Reclaimed Water Pipe	240
WQ-06013	Sludge Ash Processing and Beneficial Use	241
WQ-80022	System Flow Meter	242



# Table of Contents

CIP Number	Project Title	Page Number
------------	---------------	-------------

## STORM DRAINAGE FUND

Storm Drain Map . . . . .	245
SD-08101 Alma Street Storm Drain Improvements . . . . .	247
SD-06104 Connect Clara Drive Storm Drains to Matadero Pump Station. . . . .	248
SD-06105 Innovative Storm Drain Improvements . . . . .	249
SD-06102 San Francisquito Creek Storm Water Pump Station . . . . .	250
SD-10101 Southgate Neighborhood Storm Drain Improvements . . . . .	251
SD-06101 Storm Drain System Replacement and Rehabilitation . . . . .	252

## OTHER FUNDS

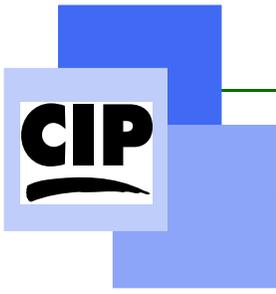
Other Funds Overview - Capital Improvement Program . . . . .	257
--	-----

## VEHICLE REPLACEMENT FUND

VR-07001 Automated Motor Pool Reservation and Vehicle Key Management System . . . . .	261
VR-07002 Diesel Truck Engine Emissions Retrofits . . . . .	262
VR-01000 MSC Equipment Maintenance Facility Storage Area . . . . .	263
VR-01002 MSC Equipment Washing Facility Upgrade. . . . .	264
VR-06801 Replace City-wide Fuel Transaction and Inventory Management System . . . . .	265
VR-07800 Scheduled Vehicle and Equipment Replacements . . . . .	266
VR-04010 Vehicle Maintenance Facility Upgrades . . . . .	267

## TECHNOLOGY FUND

TE-99010 Acquisition of New Computers . . . . .	271
TE-07003 Bill and Payment Processing . . . . .	272
TE-07000 CIS/SAP Transition . . . . .	273
TE-02015 Citywide GIS Data, Infrastructure & Applications . . . . .	274
TE-02014 eGov-Web Infrastructure & Applications . . . . .	275
TE-07001 Emergency Notification System . . . . .	276
TE-01012 IT Disaster Recovery Plan . . . . .	277
TE-06001 Library RFID Implementation . . . . .	278
TE-07002 Police Auto-Citation System . . . . .	279
TE-05000 Radio Infrastructure Replacement . . . . .	280
TE-00010 Telephone System Replacement . . . . .	281



# Table of Contents

CIP Number	Project Title	Page Number
------------	---------------	-------------

## PARTIALLY OR UNFUNDED PROJECTS

2006-11 Partially or Unfunded CIP Projects 285

## INDEX

Glossary .....	297
Americans With Disabilities Act Statement .....	300
.....	300



# Table of Contents

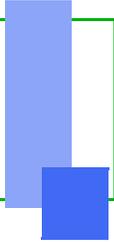
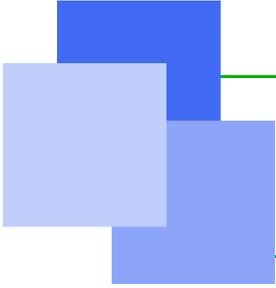
CIP Number	Project Title	Page Number
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**Overviews**





# The Capital Budget Process and Document

**T**he budget is a spending management plan for the City's financial resources. Through the use of these resources, services are provided to meet the needs and desires of Palo Alto's residents and businesses. The budget is also at the heart of the political process, where resources are allocated based on City Council priorities. The review of the proposed budget is structured around public hearings by the Finance Committee, which further incorporates public opinion into the process. The budget is therefore the vehicle for responding to the community's wishes, as well as an instrument for balancing inflows and outflows (revenues and expenditures) of revenues.

## City Council Top 3 Priorities

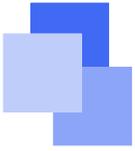
At the start of the City's budget process, the City Council determines its main priorities for the following budget period. Through an open Council dialogue, the priorities guide both budget development and department priority-setting. The public has the opportunity to provide input into this process as well as during the budget review by the Finance Committee. The following are the Top 3 City Council priorities for 2006-07:

- Emergency and Disaster Preparedness and Response
- Infrastructure (Decision making on the future direction of the Library system/ moving forward on the Police building)
- Increase Infrastructure Funding (Identify expenditure reductions and revenue enhancements that will result in an additional \$3 million for CityWorks funding)

## Budget Preparation

The City's annual budget process begins in November and concludes in June. The operating and capital budgets are developed by the City Manager, in consultation with senior management and the Director of Administrative Services, utilizing five main sources of information:

- Community input
- City Council Top Three Priorities
- Findings from the City's Long Range Financial Plan which is updated annually and presented to the Finance Committee prior to the budget process
- Service level prioritization
- Comprehensive Plan which contains the City's official policies on land use and community design, transportation, housing, natural environment, business and economics, and community services



## The Capital Budget Process and Document *continued*

### Capital Budget Calendar

This information provides the bases for the development of the budget guidelines. The budget guidelines set the framework by which the City departments develop its budget plans.

#### November:

Capital budget begins with the preparation of the capital budget guidelines and calendar by the Administrative Services Department - Budget Division. The budget guidelines are then distributed to all the departments.

#### December:

Departments and committees review the prior year five-year capital plan. The Infrastructure Management Plan (IMP) Committee reviews the General Fund capital budget. The capital budget for the Enterprise Funds and the Internal Service Funds are developed by the department that manage those operations. These departments are the Utilities Department, Public Works Department and Administrative Services Department. Changes to the CIP Plan could include: addition of new projects, deletion of planned projects, reprioritization of planned projects, and revision of project costs or timeline. Changes to the previous five-year plan are driven by the budget guidelines.

#### January:

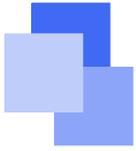
Changes on the previous five-year plan are sent to the Budget Division. Changes are incorporated into the Proposed Plan.

#### February:

Staff reviews the plan for compliance of the proposed CIP project to the budget guidelines and also for any other CIP budget issues emerging during the process. Proposed Plan is presented by Budget Division Staff to the Director of the Administrative Services. Changes initiated by the Director are communicated and discussed with the originating department. Any changes that result as part of this review process are incorporated into the Proposed Plan.

#### March:

Proposed Plan is presented to the Executive Staff. City Manager makes final decision on the Proposed Plan. Changes initiated by the City Manager are incorporated into the Proposed Plan.



## The Capital Budget Process and Document *continued*

Budget staff performs reconciliation, cost-sharing allocation, and updates publication and accounting financial system.

### April:

The Proposed Plan document is compiled and edited. A new draft is printed and transmitted to the Planning and Transportation Commission (PTC). PTC reviews the Proposed Plan as it relates to the Comprehensive Plan.

### May/June:

The City Manager formally presents the Proposed Plan to the Finance Committee in a series of public hearings. The Finance Committee presents its recommendation to the City Council. Final adoption occurs at a final public hearing in June. All changes made during the public process are incorporated into the adopted budget document, which is distributed to City libraries as well as posted on the City's website.

### Capital Project Criteria

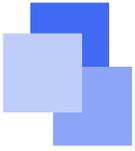
The following elements must be present to qualify as a capital project:

- Must have a minimum cost of \$25,000 for each stand-alone unit or combined project.
- Must have a useful life of at least five to seven years (the purchase or project will still be functioning and not be obsolete at least five to seven years after implementation).
- Must extend the life of an existing asset or provides a new functional use for an existing asset for at least five years. Examples include an extensive roof rehabilitation that costs at least \$25,000 and a build out to accommodate new workers that costs more than \$25,000. These improvements are distinguished from ongoing maintenance work that may extend the life of the asset but is done on a routine basis, and from minor remodeling such as replacement of furniture or partitions.

### Project Prioritization Selection Criteria

Since the budget process is an allocation of limited resources, capital projects are selected based on a prioritization criteria established by the City's Budget Guidelines. Each project submission is selected based on any of the following five criteria:

- Project involves a mission-critical need that, if not addressed, would impede operational effectiveness.
- Project is the result of specific Council direction.
- Project is legally required for compliance with codes or laws.



## The Capital Budget Process and Document *continued*

- Project mitigates existing health and safety risks as identified by the Public Works, Fire or Building Division inspectors, or prevent potential future health and safety risks.
- Project is fully reimbursed through an external funding source.

In addition to the above-mentioned criteria, the General Fund had developed a capital plan called the Infrastructure Management Plan (IMP). The IMP was approved by City Council in 1998 and consists of Building Facilities, Streets and Sidewalks (including traffic and transportation projects), and Parks and Open Space. Projects listed in the IMP are weighed in with other non-IMP projects and are prioritized based on the five criteria.

The IMP Committee recommends the projects to be included in the CIP five-year plan to the City Manager.

### Operating Budget Impact

The City uses the life-cycle costing principle in planning for capital projects. All costs associated with a capital project including operations and maintenance are included in the operating budget. Where applicable, the CIP budget document, identifies the amount of operating expense associated with the project.

### Changes to the Adopted Budget

Administrative policies provide guidelines on budget transfers, the authorization necessary to implement transfers, and appropriations after the budget is adopted. Generally there are two types of budget transfers:

#### Budget Adjustment:

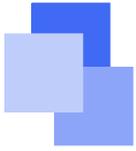
Budgetary control, the level at which expenditures cannot legally exceed the appropriated amount, is exercised at the project level.

#### Budget Amendment:

This is an adjustment to the total project appropriated amount, which was not included in the original adopted budget. These supplemental appropriations are presented to City Council in an agenda report and are required to be approved by a two-thirds City Council vote. Unexpended appropriations at the end of the fiscal year are automatically carried over to the following year.

Reasons for initiating a Budget Amendment Ordinance (BAO) include:

- Recognizing unanticipated revenue, which was not projected in the budget, and to appropriate associated expenditure in the year received



## The Capital Budget Process and Document *continued*

### Budgetary Basis

- Appropriating additional funds from reserves
- Transferring dollars from the operating budget to the capital budget or vice versa
- Transferring between projects

The budget is prepared in accordance with generally accepted accounting principles. The City's Governmental Fund (General Fund, Special Revenue Fund and Capital Project Fund) and Proprietary Fund Budgets (Enterprise Fund and Internal Service Fund) are developed using a modified accrual basis of accounting. Modified accrual basis of accounting recognize revenues when measurable and available and records expenses when incurred. "Measurable" means the amount of the transaction can be determined and "available" means collectible within the current period or soon enough afterwards to pay liabilities of the current period.

### Fund Structure and Accounting Basis

The accounts of the City are made up of funds, which help to organize and account for restricted resources. A fund is defined as a fiscal and accounting entity with self-balancing set of accounts (comprised of assets, liabilities, fund equity, revenues and expenditures), which are segregated for the purpose of carrying out specific activities or attaining certain objectives in accordance with regulatory requirements.

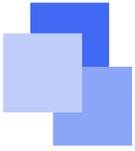
The City has the following fund type categories:

### Governmental Fund Types

The governmental funds include the General, Special Revenue, Debt Service, and Capital Project Funds. Governmental Funds are reported using the current financial resources measurement focus and the modified accrual basis of accounting.

### Proprietary Fund Types

The proprietary funds, which include the Enterprise and Internal Service Funds, are used to account for the City's business-type activities. Proprietary funds are reported using the economic resources measurement focus and the full accrual basis of accounting. Revenues are recorded when earned and expenses are recorded at the time liabilities are incurred, regardless of when the related cash flows take place.



## The Capital Budget Process and Document *continued*

### Document Layout

#### Fiduciary Fund Types

The Fiduciary Funds account for assets held by the City in trust or as an agent for various assessment and community facilities districts. The City budget process does not include fiduciary funds.

#### Agency Fund Types

The Agency Funds are custodial in nature and do not involve measurement of results of operations. The City maintains three agency funds. The City budget process does not include agency funds.

The Capital Budget document provides readers with cost estimates, methods of financing, and recommended project schedules for the City of Palo Alto's Capital Improvement Program (CIP) for the next five years. Accordingly, the document includes descriptions, justifications, status, costs, managing departments and other relevant facts for the City of Palo Alto's CIP projects for 2006 through 2011.

Projects are presented within this volume under the following categories:

#### General Fund

Infrastructure Management Plan (IMP) - CityWorks

Buildings and Facilities

Parks and Open Space

Streets and Sidewalks

Non-Infrastructure Management Plan - Miscellaneous

#### Enterprise Funds

Electric Fund

Gas Fund

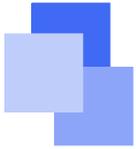
Water Fund

Wastewater Collection Fund

Wastewater Treatment Fund

Refuse Fund

Storm Drainage Fund



## The Capital Budget Process and Document *continued*

### Other Funds

Vehicle Replacement Fund

Technology Fund

In addition to project descriptions, this volume includes detailed financial summaries for capital expense by fund. These summaries indicate the total cost of all projects for a particular fund by category and the source and amount of reimbursement revenues for each project over the next five years. Two additional financial summaries, contained within the General Fund section provide a greater level of detail. The table titled "2006-11 Capital Improvement Projects Summary by Fund" is a high-level view of each fund's capital expense net of reimbursements over the next five years. The table titled "Capital Improvement Fund Financial Summary" lists in detail the sources of funding for General Fund capital projects.

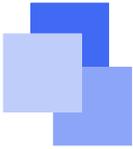
A list of prior year CIP projects is also included for quick reference. This list is titled "2005-06 Adopted CIP Projects" and is located after the financial summary tables.

Readers will also find maps within the general fund infrastructure management plan and utility fund sections that show where various infrastructure management plan projects, under-grounding, system rebuild, gas and water main replacement projects will occur over the next five years. Finally, a glossary of terms at the end of the volume helps readers understand frequently used terms.

### Understanding the Details

### Project Numbering Sequence

The project number consists of seven characters. The first two are letters related to the managing department or fund. The next two digits relate to the fiscal year in which the project first received funding. The final three numbers are system generated. For example, with project PE-07006, the "PE" denotes Public Works Engineering, the "07" indicates fiscal 2006-07 funding, and the "006" is the sequential project number. The Managing Department or Fund table below can be used as a reference for the two character alpha portion of the project number.



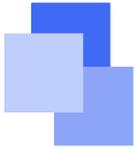
## The Capital Budget Process and Document *continued*

Project Code	Managing Department or Fund
AC	Arts and Culture
EL	Electric Fund
GS	Gas Fund
LI	Library
OS	Open Space
PD	Police Department
PE	Public Works Engineering
PF	Public Works Facilities
PG	Parks and Golf Course
PL	Planning
PO	Public Works Operations
RF	Refuse Fund
SD	Storm Drain Fund
TE	Technology Fund
WQ	Wastewater Treatment Fund
GS	Gas Fund
WS	Water Fund
WC	Wastewater Collection Fund

### Project Information

The project description pages include the following information:

- CityWorks logo tags Infrastructure Management Plan (IMP) projects.
- "New" or "Continuing" project category noted above the title or inside the CIP facts box.
- Project Description and Justification sections - provides the scope of work and justification for the project.
- Supplemental Information - provides additional information that may enhance the project description and justification. Supplemental information is provided for select projects when needed.
- CIP Facts - provides key facts in an easy-to-locate box at the top of the page. Contains information on current project status, time-line, overall project completion, percent spent, managing department and Comprehensive Plan references. It also contains information on impact analysis.



## The Capital Budget Process and Document *continued*

- Overall Project Completion - percent complete based on an estimate by project manager using his/her professional judgment.
- Percent Spent - financial measure on the total amount spent. It is the ratio of actual cumulative expenses as of December 31, 2006 to the total budget since the inception of the project.
- Future Financial Requirements - the estimated expense of the project in future years. Costs are separated into pre-design, design, and construction costs. Costs that do not belong to any of these categories are presented as "others".
- PY Budget - indicates the cumulative prior year budget amounts for the project.
- PY Actuals - indicates the cumulative actual expense up to December 31, 2005.
- Sources of Funding - indicates fund(s) or external revenue source(s) that will be financing the project.
- The Impact Analysis and Support - states the impact the project will have in any of four categories:
  - Environmental: describes visual or aesthetic impact on the environment, a description of that impact, and any efforts to mitigate it.
  - Design Elements: describes design elements that will improve the visual or aesthetic elements of the project.
  - Operating: describes estimates of the annual maintenance and operating costs associated with the project. Maintenance costs include, for example: utilities, equipment maintenance or service, facilities maintenance or service, grounds/landscape maintenance or service, and custodial maintenance. Operating costs include, for example: new program salaries and benefits, and program supplies/materials costs.
  - Telecommunications: describes estimated annual project costs for telecommunications equipment are needed to implement the project.
- Comprehensive Plan section - indicates how the project furthers the implementation of the Comprehensive Plan through the citation of specific Comprehensive Plan policies and programs.
- Managing Department - identifies the department that has responsibility for the project.

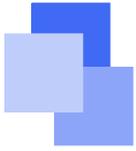
# Summary of Capital Improvement Program Revenues

## An Overview

The 2006-11 Capital Improvement Program (CIP) Plan derives its funding from a variety of sources. The following table provides a listing of those sources along with a comparison with the 2005-10 CIP Plan.

### CAPITAL FUND

Revenue Source (\$000's)	2006-11 CIP Plan	2005-10 CIP Plan	Difference
<b>Capital Fund</b>			
Infrastructure Reserve	\$39,775	\$45,015	(\$5,240)
Transfer from General Fund	\$3,977	\$2,196	\$1,781
Transfer from Enterprise Funds	\$332	\$665	(\$333)
Gas Tax	\$5,850	\$5,850	0
Parking Permits	\$200	\$900	(\$700)
Development Impact Fees	\$400	\$912	(\$512)
Federal /State Grants	\$1,940	\$1,252	\$688
Other Agencies	\$1,140	\$1,640	(\$500)
<b>Total</b>	<b>\$53,614</b>	<b>\$58,430</b>	<b>(\$4,816)</b>
<b>Enterprise Funds</b>			
Utility Rate Charges	\$117,547	\$108,845	\$8,702
Fees and Charges	\$22,252	\$16,059	\$6,193
Storm Drainage Fee	\$11,413	\$12,173	(\$760)
Federal/State Grants	0	\$3,800	(\$3,800)
Other Agencies	\$3,200	\$6,200	(\$3,000)
Transfer from Water Fund	0	\$500	(\$500)
Transfers between Enterprise Funds	\$671	\$1,202	(\$531)
<b>Total</b>	<b>\$155,083</b>	<b>\$148,779</b>	<b>\$6,304</b>
<b>Internal Service Funds</b>			
Fund Balance	\$3,407	\$3,071	\$336
Transfer from General Fund	\$1,610	\$281	\$1,329
Transfer from Enterprise Funds	\$5,159	\$1,505	\$3,654
<b>Total</b>	<b>\$10,176</b>	<b>\$4,857</b>	<b>\$5,319</b>
<b>Grand Total</b>	<b>\$218,873</b>	<b>\$212,066</b>	<b>\$6,807</b>



## Summary of Capital Improvement Program Revenues

*continued*



### Infrastructure Reserve

Infrastructure Reserve (IR) was created to maintain and restore the City's infrastructure. The IR was established to ensure that present and future funding is available for infrastructure. The IR is funded by a base transfer from the General Fund of \$3.6 million a year. Furthermore, City Council directed Staff to replenish IR annually by adding \$2.0 million to the \$3.6 million base transfer. Half of the goal was achieved by moving the IR into the Capital Project Fund and allowing interest to accrue to the fund. The remaining balance of \$1.0 million was to be achieved by transferring General Fund's surpluses at year-end. The 2006-16 Long Range Financial Plan projects that the IR will be depleted by 2011-12. To address the depleting balance of the IR, City Council has made a Top 3 priority in 2006-07 funding the IR by an additional \$3 million a year.

### Transfer from General Fund

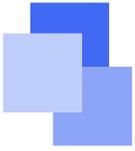
There are CIP Projects that are funded in whole or in part by the General Fund. Most of these projects are perennial in nature. These projects include: Art in Public places (AC-860177), Street Light Improvements (PO-05054), Traffic Signal Upgrades (PL-05030), Public Safety Building (PE-98020), Library Services Model Analysis (PE-07011), and Intermodal Transit Center (PL-07001). An operating transfer is provided by the General Fund to the Capital Project Fund for its share of the CIP project costs.

### Transfer from Enterprise Funds

The City of Palo Alto has eight enterprise funds, each fund a fiscal entity. Each enterprise fund shares the cost of the General Fund CIP project, if a project contributes to the enterprise fund's operations. An example for this is Photovoltaic Design and Installation (PE-05001) where Electric Fund shares 50 percent of the cost while the remaining 50 percent is funded by a federal grant. In 2005-10 CIP Plan, the Electric Fund reflects support for two years (2005-06 and 2006-07) while in 2006-11 CIP Plan, only the remainder year (2006-07). An operating transfer is provided by Enterprise Funds to reimburse Capital Fund for their share of CIP project costs.

### Gas Tax

Gas Tax Fund accounts for revenues received from State gas tax, Federal and State grants earmarked for street improvements. Use of this fund is restricted for maintenance of road network system of the City. Gas tax supports CIP Project Street Maintenance (PE-86070) and Bicycle Boulevard Implementation (PL-04010). An operating transfer from the Gas Tax Fund to the Capital Fund reimburses the cost of these projects.



## Summary of Capital Improvement Program Revenues

*continued*

### Parking Permits

Parking permit revenues are generated from parking facilities within University Avenue and California Avenue business districts. These revenues support the maintenance of these parking facilities and other related capital projects. Projects that are supported by parking permits are as follows:

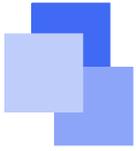
Project Name	2006-07	2005-06	Total
Cambridge Parking Structure Improvements (PE-04011)	\$0	\$230,000	\$230,000
Comprehensive Parking Signage Plan (PL-06002)	\$200,000	\$125,000	\$325,000
Installation of Ticket Machines (PL-06005)	\$0	\$75,000	\$75,000
<b>Total</b>	<b>\$200,000</b>	<b>\$430,000</b>	<b>\$630,000</b>

### Development Impact Fees

The development impact fees are collected from new development and provide funding for City's infrastructure related to parks, community centers and libraries. The City Attorney provides guidance on whether a project would qualify for funding. Capital projects supported by development impact fees include: Park Restroom Installations (PE-06007) in 2006-11 CIP Plan and Stanford/Palo Alto Playing Fields (PG-04010) in the 2005-10 CIP Plan.

### Federal/State Grants

The City leveraged its existing resources with funds available from the State and Federal agencies. Grants received and projects funded are summarized on the subsequent page:

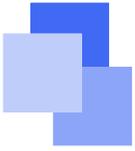


## Summary of Capital Improvement Program Revenues

*continued*

Grant Source	Grant Amount	Grant Amount in 2006-11 CIP Plan	CIP Project	Comment
U.S. Department of Energy	\$1,787,900*	\$332,000*	Photovoltaic Design and Installations (PE-05001)	The grant is for installation of photovoltaic panels on public buildings with 50% matching grant from City's Electric Fund PV Partners Program.
Federal Transit Administration	\$728,000	\$655,341	Intermodal Transit Center (PL-07001)	This grant is to implement the Palo Alto Intermodal Transit Center (PAITC) conceptual plan. A City match of \$182,000 is required by the grant. Portion of the grant will be shared by Santa Clara Valley Transit Authority to reimburse for the costs associated with the project.
U.S. Department of Transportation	\$788,000	\$788,000	Street Maintenance (PE-86070)	The City received a grant to resurface a segment of Embarcadero Road, University Avenue and Page Mill Road.
State Grant	\$165,000	\$165,000	Baylands Athletic Center Fencing, Dugout and Trailhead Parking Renovations (PE-07009)	The grant is for renovation of parking lot at Baylands Trailheads with 50% matching from Infrastructure Reserve.

\* portion of the grant was recognized in 2005-06 while the remaining balance of \$332,000 is reported in 2006-11 CIP Plan



## Summary of Capital Improvement Program Revenues

*continued*

### Other Agencies

The City partners with local agencies to provide support to certain capital projects. The Palo Alto Unified School District (PAUSD) provides 50 percent of CIP Project School Playing Field Irrigation (PG-98001) and Tennis and Basketball Court Resurfacing (PG-06001) while Stanford contributes 25 percent of the cost of Sixteen ALS Monitor Defibrillators (FD-05000). Cubberley Turf Renovation (PG-07007) for \$0.75 million is planned to commence in 2007-08. However, a funding source has not yet been identified.

## ENTERPRISE FUNDS

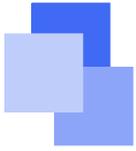
### Utility Rate Charges

Enterprise Funds operate on a full cost recovery basis. Accordingly, all costs related to operations and capital projects are recovered through the customers. Utility rate charges are received by the utility funds as revenue.

### User Fees and Charges

Certain CIP projects in the enterprise funds are supported by user fees. Included in this category are certain charges to telecommunication companies pertaining to undergrounding projects. For the 2006-11 CIP Plan, four undergrounding projects are planned and, the estimated reimbursements from the phone company during this period are \$5.8 Million.

Projects funded by user fees are summarized on the following page:



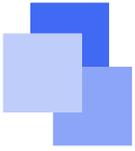
## Summary of Capital Improvement Program Revenues

*continued*

Enterprise Fund	Project Name	User Fee	2006-11 CIP Plan Revenues	Comments
Electric Fund (Fiber Optic Sub Fund)	Fiber Optic Customer Connections (EL-06006)	Fiber Optic License Fees	\$1,000,000	Fiber optic license fees cover installation of fiber optic infrastructure for new service connections. For a list of other services refer to Utility Rate Schedule EDF-1.
Electric Fund	Electric Customer Connections (EL-89028)	Connection Fees	\$3,750,000	Connection fees cover services for installation, transformers, meters for new customer, upgrading of existing customers and temporary service connection. For a list of other services refer to Utility Rate Schedule E-15.
Gas Fund	Gas System Extensions (GS-80017)	Connection Fees	\$2,988,000	Connection fees cover services for distribution system extension, service connection, meter charges and relocation. For a list of other services refer to Utility Rate Schedule G-5.
Water Fund	Water System Extensions (WS-80013)	Connection Fees	\$4,216,000	Connection fees cover services for distribution system extension, service connection, meter charges, capacity fees and fire hydrant. For a list of other services refer to Utility Rate Schedule W-5.
Wastewater Collection Fund	Sewer System Extensions (WC-80020)	Connection Fees	\$4,448,000	Connection fees cover services for collection system extension, service connection, relocation of facilities and manholes. For list of other services refer to Utility Rate Schedule S-5.

### Storm Drainage Fee

In April 2005, property owners approved an increase of \$10 per month ( for a typical single-family residential ratepayers) in the Storm Drainage Fee through a mail ballot process conducted in accordance with Proposition 218. The increased revenue from the higher fee will fund a set of seven high-priority storm drain CIP projects. The fee increase will “sunset” after 12 years, unless reauthorized by another property owner ballot process. The City Council appointed an oversight committee to ensure compliance on the provisions.



## Summary of Capital Improvement Program Revenues

*continued*

### Federal/State Grants

The City's Wastewater Treatment Fund was a recipient of a \$3.8 million grant from the State of California to support CIP Project WQ-04010 (Replace Existing Reclaimed Water Pipe). This revenue was reported in the 2005-06 Adopted CIP Budget.

### Local Agencies

The City of Mountain View had committed \$8.1 Million to support Project WQ-04010 (Replace Existing Reclaimed Water Pipe). \$4.1 Million was recognized in 2005-06 and the remaining \$3.2 million balance is reflected in 2006-07. This project is also supported by a State grant of \$3.8 million as mentioned in the preceding section.

### Transfer from Water Fund

The Water Fund also provides funding to Project WQ-04010 (Replace Existing Reclaimed Water Pipe) in the amount of \$1.0 million. In each of the fiscal years 2004-05 and 2005-06, \$0.5 million was transferred to the Wastewater Treatment Fund.

### Fund Balance

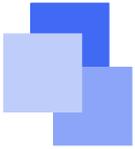
The Internal Service Funds (ISF) have included in their fund balance undesignated portion available for appropriation. This available balance can be designated to support certain capital projects. After Council approval, the undesignated fund balance is reduced by the the new appropriations amount.

The Vehicle Replacement Fund has six proposed CIP projects included in the 2006-11 CIP Plan totalling \$1.1 million, while the Technology Fund has twelve totalling \$2.1 million. These projects will be funded from the fund balance.

### Transfer from General Fund

The General Fund provides funding for its share of the CIP Projects in the Internal Service Funds (ISF). ISF (comprised of Vehicle Replacement, Printing and Mailing and Technology Funds) allocate all CIP project costs between General Fund and Enterprise Funds. This transfer represents the General fund share of the ISF CIP projects charge back allocation. Operating transfers are reflected as revenue on the ISF financial summary.

## INTERNAL SERVICE FUNDS



## Summary of Capital Improvement Program Revenues

*continued*

### Transfer From Enterprise Fund

Like the General Fund, Enterprise Funds also bear their portion of the allocated costs from the ISF. This transfer represents the Enterprise Funds share in the ISF CIP projects charge back allocation. Operating transfers are reflected as revenue on the ISF financial summary.

# Debt Policy and Obligations

## Debt Policy Guidelines

**T**he City of Palo Alto recognizes the need for spending a prudent amount every year for ongoing capital replacement and rehabilitation needs. Because an ongoing capital improvement plan is vital to ensure the future viability of services, the City will always place first priority on funding its regular and ongoing capital needs on a pay-as-you-go basis. There are special or extraordinary capital improvement projects in which it is appropriate to consider debt financing. A set of guidelines is included below in order to support the decision-making process, and is not intended to be used as a set of rigid rules for issuing debt.

Debt financing is only appropriately considered for capital improvements, and not for operating budget items. Annual debt service payments should not exceed 10 percent of the annual expenditure budget of the General Fund. The term of the debt issuance should not exceed the useful life expectancy of the asset acquired, constructed, or improved.

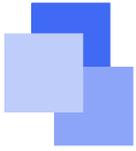
It is appropriate to consider debt financing under the following circumstances:

- The project financing can be paid for directly by the users of the facility. One example is capital improvements made to the City's golf course, where debt service payments can be made from the green fees paid by golfers. A second example is capital improvements paid for by assessments to property owners, such as a parking assessment for a downtown parking garage.
- For enterprise funded projects, if a significant backlog of capital improvements has developed, and if that backlog cannot be addressed through the ongoing capital budget without having a significant impact on utility rates.
- If funding for a large project (or grouping of similar projects) would have a significant negative impact on the availability of funding for other ongoing capital needs.
- Capital leases may be considered for purchases of large pieces of equipment.

## Legal Debt Limit

In accordance with California Government Code Section 43605, the legal debt margin limit is 15 percent of the assessed value of all real and personal property of the City. Based upon the assessed valuation of \$16.3 billion for the fiscal year ended June 30, 2005, the City is limited to general obligation indebtedness of \$2.4 billion. As of June 30, 2005, the amount of debt applicable to the debt limit totaled \$11.0 million.

For fiscal year 2005-06, the estimated combined direct debt ratio to assessed valuation for the General Fund (GF) is 0.1 percent. The legal debt margin limit is 15 percent. The City of Palo Alto is well below the legal limit.



## Debt Policy and Obligations

*continued*

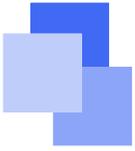
### Debt Obligations

Summary of City of Palo Alto debt activity for 2005-06 are provided in the following sections. There are no plans to issue debt in 2006-07.

	Original Issue Amount	Balance June 30, 2005	Retirements	Balance June 30, 2006	Current Portion
<b><u>General Fund Debt Activity:</u></b>					
<i>General Long Term Obligations:</i>					
1998 Golf Course Certificates of Participation 4.00-5.00%, due 09/01/2018	\$7,750	\$5,680	\$295	\$5,385	\$310
2002A Civic Center Refinancing - Certificates of Participation 2.00-4.00%, due 03/01/2012	3,500	2,560	330	2,230	340
2002B Downtown Parking Improvements Certificates of Participation 4.55-6.00%, due 03/01/2022	3,555	2,385	85	2,300	90
<b>TOTAL General Fund Debt Activity</b>	<b><u>\$14,805</u></b>	<b><u>\$10,625</u></b>	<b><u>\$710</u></b>	<b><u>\$9,915</u></b>	<b><u>\$740</u></b>
<b><u>Enterprise Fund Debt Activity:</u></b>					
<i>Enterprise Long Term Obligations:</i>					
<b>Utility Revenue Bonds</b>					
1995 Series A, 5.0-6.25%, due 06/06/2020	\$8,640	\$6,540	\$281	\$6,259	\$295
1999 Refunding, 3.25-5.25%, due 06/01/24	17,735	15,530	420	\$15,110	440
2002 Series A, 3.00-5.00%, due 06/06/26	26,055	22,665	710	\$21,955	730
Less: unamortized discount/issuance cost	0	(1,137)	(99)	(\$1,038)	0
<b>TOTAL Enterprise Fund Debt Activity</b>	<b><u>\$52,430</u></b>	<b><u>\$43,598</u></b>	<b><u>\$1,312</u></b>	<b><u>\$42,286</u></b>	<b><u>\$1,465</u></b>

### Debt Obligation Descriptions

**1998 Golf Course Certificate of Participation (COPS).** In August 1998, the City's Public Improvement Corporation issued Golf Course Improvement COPS, Series 1998 in the amount of \$7.75 million to retire the 1978 Golf Course Lease Revenue Bonds, and to finance various improvements at the Palo Alto Public Golf Course, including upgrading five fairways and various traps, trees and greens, constructing new storm drain facilities, replacing the existing irrigation system, upgrading the driving range, and installing new cart paths. The 1998 COPS are secured by lease revenues received by the Public Improvement Corporation from golf course revenues or other unrestricted revenues of the City. Principal and interest are payable semi-annually each March 1 and September 1.



## Debt Policy and Obligations *continued*

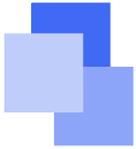
**2002A Civic Center Refinancing COPS.** On January 16, 2002 the City issued \$3.5 million of COPS to refund the City's 1992 COPS which were subsequently retired. Principal payments for the 2002A COPS are due annually on March 1 and interest payments semi-annually on March 1 and September 1 and are payable from lease revenues received by the Palo Alto Public Improvement Corporation from the City from available funds.

**2002B Downtown Parking Improvement Project COPS.** On January 16, 2002 the City issued \$3.6 million of COPS to finance the construction of certain improvements to the non-parking area contained in the City's Bryant /Florence Garage complex. Principal payments are due annually on March 1 and interest payments semi-annually on March 1 and September 1 from 4.55% - 6.5%, and are payable from lease revenues received by the Palo Alto Public Improvement Corporation from the City from available funds.

On January 25, 2005 the City defeased \$0.9 million of the 2002B Downtown Parking Improvements Certificates of Participation. The City placed \$1.0 million in surplus cash from the Civic Center Refinancing and Downtown Parking Improvement Project Construction account in an irrevocable trust to provide for future debt payments.

**1995 Utility Revenue Bonds, Series A.** The City issued Utility Revenue Bonds on February 1, 1995 to finance certain extensions and improvements to the City's Storm Drainage and Surface Water System. The Bonds are special obligations of the City payable solely from and secured by a pledge of and lien upon the revenues derived by the City from the funds, services and facilities of all Enterprise Funds except the Refuse Fund. Principal payments are payable annually on June 1 and interest payments semi-annually on June 1 and December 1. A \$2.9 million 6.25% term bond is due June 1, 2020. In lieu of a reserve fund, the Bonds are secured by a Surety Bond issued by AMBAC Indemnity Corporation.

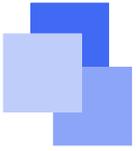
**1999 Utility Revenue and Refunding Bonds, Series A.** The City issued Utility Revenue Bonds on June 1, 1999 to refund the 1990 Utility Revenue Refunding Bonds, Series A and the 1992 Utility Revenue Bonds, Series A, and to finance rehabilitation of the Wastewater Treatment System's two sludge incinerators. The 1990 Utility Revenue Refunding Bonds, Series A and the 1992 Utility Revenue Bonds, Series A, were subsequently retired.



## Debt Policy and Obligations *continued*

The 1999 Bonds are special obligations of the City payable solely from and secured by a pledge of and lien upon certain net revenues derived by the City's Sewer System and its storm and surface water system (the "Storm Drain System"). As of June 30, 2001, the 1999 Bonds had been allocated to and were repayable from net revenues of the following enterprise funds: Wastewater Collection (10.2%), Wastewater Treatment (64.6%) and Storm Drain (25.2%). Principal payments are payable annually on June 1 and interest payments semi-annually on June 1 and December 1. A \$3.125 million 5.25% term bond, and a \$5.12 million 5.25% term bond are due June 1, 2021 and 2024, respectively. In lieu of a reserve fund, the Bonds are secured by a Surety Bond issued by AMBAC Indemnity Corporation.

**2002 Utility Revenue Bonds, Series A.** On January 24, 2002 the City issued Utility Revenue Bonds to finance certain improvements to the City's water utility system, and the City's natural gas utility system. Principal payments are due annually on June 1 and interest payments are due semi-annually on June 1 and December 1 from 3% to 5%. The 2002 Revenue Bonds are secured by net revenues generated by the Water Services and Gas Services Funds.



## Debt Policy and Obligations *continued*

Vertical line separator



**Financial Summary**



## 2006-11 CAPITAL IMPROVEMENT PROJECTS SUMMARY BY FUND

(\$000) Fund Category	2006-07	2007-08	2008-09	2009-10	2010-11	Total
<b>Capital Fund</b>	<b>\$14,904</b>	<b>\$12,064</b>	<b>\$13,647</b>	<b>\$7,281</b>	<b>\$5,717</b>	<b>\$53,614</b>
<i>Total Reimbursements</i>	(5,600)	(3,155)	(1,898)	(1,685)	(1,628)	\$(13,964)
<b>Net Capital Fund</b>	<b>\$9,305</b>	<b>\$8,909</b>	<b>\$11,749</b>	<b>\$5,597</b>	<b>\$4,090</b>	<b>\$39,649</b>
<b>Vehicle Replacement Fund</b>	<b>\$4,494</b>	<b>\$170</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,664</b>
<i>Total Reimbursements</i>	(3,582)	0	0	0	0	\$(3,582)
<b>Net Vehicle Replacement Fund</b>	<b>\$912</b>	<b>\$170</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,082</b>
<b>Technology Fund</b>	<b>\$1,276</b>	<b>\$1,753</b>	<b>\$953</b>	<b>\$653</b>	<b>\$878</b>	<b>\$5,512</b>
<i>Total Reimbursements</i>	(870)	(779)	(779)	(479)	(507)	\$(3,412)
<b>Net Technology Fund</b>	<b>\$406</b>	<b>\$974</b>	<b>\$174</b>	<b>\$174</b>	<b>\$371</b>	<b>\$2,099</b>
<b>Electric Fund</b>	<b>\$10,020</b>	<b>\$9,885</b>	<b>\$8,465</b>	<b>\$9,800</b>	<b>\$9,960</b>	<b>\$48,130</b>
<i>Total Reimbursements</i>	(2,681)	(1,125)	(2,580)	(2,595)	(2,090)	\$(11,071)
<b>Net Electric Fund</b>	<b>\$7,339</b>	<b>\$8,760</b>	<b>\$5,885</b>	<b>\$7,205</b>	<b>\$7,870</b>	<b>\$37,059</b>
<b>Gas Fund</b>	<b>\$6,787</b>	<b>\$6,738</b>	<b>\$6,981</b>	<b>\$7,126</b>	<b>\$7,555</b>	<b>\$35,187</b>
<i>Total Reimbursements</i>	(563)	(580)	(597)	(615)	(633)	\$(2,988)
<b>Net Gas Fund</b>	<b>\$6,224</b>	<b>\$6,158</b>	<b>\$6,384</b>	<b>\$6,511</b>	<b>\$6,922</b>	<b>\$32,199</b>
<b>Water Fund</b>	<b>\$4,054</b>	<b>\$4,472</b>	<b>\$3,850</b>	<b>\$4,147</b>	<b>\$3,717</b>	<b>\$20,240</b>
<i>Total Reimbursements</i>	(976)	(853)	(870)	(853)	(864)	\$(4,416)
<b>Net Water Fund</b>	<b>\$3,078</b>	<b>\$3,619</b>	<b>\$2,980</b>	<b>\$3,294</b>	<b>\$2,853</b>	<b>\$15,824</b>
<b>Wastewater Collection Fund</b>	<b>\$4,357</b>	<b>\$3,443</b>	<b>\$3,659</b>	<b>\$3,656</b>	<b>\$3,753</b>	<b>\$18,868</b>
<i>Total Reimbursements</i>	(867)	(878)	(889)	(901)	(913)	\$(4,448)



## 2006-11 Capital Improvement Projects Summary by Fund *continued*

(\$000) Fund Category	2006-07	2007-08	2008-09	2009-10	2010-11	Total
<b>Net Wastewater Collection Fund</b>	\$3,490	\$2,565	\$2,770	\$2,755	\$2,840	\$14,420
<b>Refuse Fund</b>	\$0	\$1,000	\$0	\$0	\$3,325	\$4,325
<i>Total Reimbursements</i>	0	0	0	0	0	\$0
<b>Net Refuse Fund</b>	\$0	\$1,000	\$0	\$0	\$3,325	\$4,325
<b>Wastewater Treatment Fund</b>	\$5,320	\$2,700	\$3,700	\$2,600	\$2,600	\$16,920
<i>Total Reimbursements</i>	(3,200)	0	0	0	0	\$(3,200)
<b>Net Wastewater Treatment Fund</b>	\$2,120	\$2,700	\$3,700	\$2,600	\$2,600	\$13,720
<b>Storm Drainage Fund</b>	\$1,373	\$4,595	\$1,995	\$1,925	\$1,525	\$11,413
<i>Total Reimbursements</i>	0	0	0	0	0	\$0
<b>Net Storm Drainage Fund</b>	\$1,373	\$4,595	\$1,995	\$1,925	\$1,525	\$11,413
<b>Total CIP Costs (All Funds)</b>	\$52,585	\$46,820	\$43,249	\$37,188	\$39,030	\$218,872
<i>Total Reimbursements</i>	(18,339)	(7,370)	(7,612)	(7,127)	(6,634)	\$(47,081)
<b>Net CIP Costs</b>	\$34,246	\$39,450	\$35,638	\$30,061	\$32,396	\$171,791

# CAPITAL IMPROVEMENT FUND FINANCIAL SUMMARY

(\$000)	2004-05 Actual	2005-06 Adopted Budget	2005-06 Adjusted Budget	2006-07 Adopted-in- Concept Budget	2006-07 Adopted Budget	2006-07 Budget Change
<b>REVENUES</b>						
Other Agencies	827	892	1,539	1,189	1,851	311
State of California	625	588	588	0	0	(588)
Stanford University	0	30	30	30	30	0
Investment Income	1,023	1,020	1,020	1,020	1,023	3
Other Revenue	326	0	459	0	0	(459)
<b>Subtotal Revenues</b>	<b>\$2,801</b>	<b>\$2,530</b>	<b>\$3,637</b>	<b>\$2,239</b>	<b>\$2,904</b>	<b>\$(733)</b>
<b>OPERATING TRANSFERS IN</b>						
General Fund	40,639	4,938	5,212	5,077	5,399	187
Street Improvement Fund	1,175	1,170	1,170	1,170	1,170	0
Developers Impact Fee-Park	37	312	312	100	0	(312)
Traffic Mitigation	600	0	690	0	0	(690)
Utility Funds	0	332	542	332	332	(210)
Technology Fund	200	0	0	0	0	0
California Avenue Parking District	0	200	200	0	0	(200)
University Avenue Parking District	0	200	200	500	200	0
Debt Service Fund	105	0	0	0	0	0
<b>Subtotal Operating Transfers In</b>	<b>\$42,756</b>	<b>\$7,152</b>	<b>\$8,326</b>	<b>\$7,179</b>	<b>\$7,101</b>	<b>\$(1,225)</b>
<b>TOTAL SOURCE OF FUNDS</b>	<b>\$45,557</b>	<b>\$9,683</b>	<b>\$11,963</b>	<b>\$9,419</b>	<b>\$10,005</b>	<b>\$(1,958)</b>
<b>EXPENSES</b>						
Salaries and Benefits	2,020	2,495	2,495	2,516	2,500	5
Capital Project Expenditures	14,665	12,820	15,584	13,760	14,083	(1,501)
Sustainability Contingency	0	400	400	400	400	0
<b>Subtotal Expenses</b>	<b>\$16,685</b>	<b>\$15,715</b>	<b>\$18,480</b>	<b>\$16,676</b>	<b>\$16,984</b>	<b>\$(1,496)</b>
Operating Transfers Out	5,871	0	92	0	75	(17)
<b>TOTAL USE OF FUNDS</b>	<b>\$22,556</b>	<b>\$15,715</b>	<b>\$18,571</b>	<b>\$16,676</b>	<b>\$17,059</b>	<b>\$(1,513)</b>
<b>Net to (from) Reserves</b>	<b>\$23,001</b>	<b>\$(6,033)</b>	<b>\$(6,608)</b>	<b>\$(7,258)</b>	<b>\$(7,054)</b>	<b>\$(445)</b>
<b>Infrastructure Reserve Year-end Balance</b>	<b>\$24,516</b>	<b>\$24,055</b>	<b>\$17,731</b>	<b>\$16,798</b>	<b>\$10,677</b>	<b>\$(7,054)</b>

## 2006-11 CAPITAL IMPROVEMENT PROJECTS

(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
<b>KEY</b>							
Shaded areas denote new projects							
<b>TBD</b> To Be Determined							
<i>Italicized</i> text indicates reimbursement							
* Denotes CityWorks infrastructure projects							
<b>CAPITAL FUND</b>							
<b>Infrastructure Management Plan</b>							
<b>Buildings and Facilities</b>							
PF-07003	Children's Theatre Fire/Life Safety Upgrades*	250					\$250
PE-98020	Public Safety Building*	1,000					\$1,000
	<i>General Fund</i>	(1,000)					\$(1,000)
PF-93009	Americans with Disabilities Act Compliance*	150	150	150			\$450
PF-07000	Art Center Electrical & Mechanical Upgrades*	290	1,450				\$1,740
PF-07002	Baylands Interpretive Center Improvement*				267		\$267
PF-01003	Building Systems Improvements*	100		100			\$200
PF-09000	Children's Theatre Improvements*			100	500		\$600
PF-01002	Civic Center Infrastructure Improvements*	1,617	1,928	1,872			\$5,417
PF-06003	Cubberley Community Center Fire Alarm System*	300					\$300
PF-04010	Cubberley Mechanical and Electrical Upgrades*		100	500	500		\$1,100
PF-06004	Cubberley Restroom Upgrades*		240				\$240
PF-07001	Cubberley Wing I Elevator Upgrade*	250					\$250
PF-02022	Facility Interior Finishes Replacement*	50	50	50	50	50	\$250
PF-05003	Foothills Park Interpretive Center Improvements*		210				\$210



## 2006-11 Capital Improvement Projects *continued*

(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
PE-05010	Library: College Terrace Library and Child Care Center Improvements*	300		2,500			<b>\$2,800</b>
PF-09001	Library: Downtown Library Mechanical and Electrical Upgrades*			75	250		<b>\$325</b>
PF-07010	Library: Main Library Improvements*		164	909			<b>\$1,073</b>
PF-05002	Municipal Service Center Ren- ovation*		366	575			<b>\$941</b>
OS-07003	Open Space Maintenance Shop Rehabilitation*	250					<b>\$250</b>
PF-00006	Roofing Replacement*	150	100	100		100	<b>\$450</b>
PE-06001	San Antonio Bridge Structural Repairs and Maintenance*	50					<b>\$50</b>
	<i>General Fund</i>	(50)					<b>\$(50)</b>
PF-06001	Ted Thompson Garage Improvements*				67		<b>\$67</b>
	<i>Others</i>				(67)		<b>\$(67)</b>
PF-06002	Ventura Buildings Improve- ments*		90	600			<b>\$690</b>
	<b>Net Subtotal</b>	<b>\$3,707</b>	<b>\$4,848</b>	<b>\$7,531</b>	<b>\$1,567</b>	<b>\$150</b>	<b>\$17,803</b>
<b>Parks and Open Space</b>							
PE-07009	Baylands Athletic Center Fencing, Dugout and Trailhead Parking Renovations*		200	330			<b>\$530</b>
	<i>State Grant</i>			(165)			<b>\$(165)</b>
OS-07000	Foothills Park Road Improve- ments*	125	125	125	125	125	<b>\$625</b>
PE-06006	Alma Street Landscape Improvements*				156		<b>\$156</b>
PG-06003	Benches, Signage, Fencing, Walkways, and Perimeter Landscaping*	50			200	238	<b>\$488</b>
PE-07006	Boulware Park Improve- ments*	271					<b>\$271</b>
PE-07005	California Avenue Improve- ments*	50					<b>\$50</b>
PE-06010	City Parks Improvements*		750	600	550	270	<b>\$2,170</b>



## 2006-11 Capital Improvement Projects *continued*

(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
PE-07004	Cogswell Plaza Improvements*					130	\$130
PE-07007	Cubberley Turf Renovation*		750				\$750
	<i>Others</i>		(750)				\$(750)
OS-07002	Foothills Park Interpretive Center and Open Space Maintenance Yard Parking Lots*	267					\$267
PE-07002	Hoover Park Improvements*	745					\$745
PE-07001	Hopkins Park Improvement*					67	\$67
OS-00002	Open Space Lakes and Ponds Maintenance*		45		45		\$90
OS-00001	Open Space Trails and Amenities*	142	116	116	116	116	\$606
PE-07003	Ramos Park Improvements*	556					\$556
PE-08001	Rinconada Park Improvements*			300			\$300
PE-00104	San Antonio Medians*	355					\$355
PG-98001	School Playing Field Irrigation*	125		125			\$250
	<i>Others</i>	(63)		(63)			\$(125)
PE-06011	Street Median Improvements*					156	\$156
PG-06001	Tennis and Basketball Court Resurfacing*	55	130	130	55	55	\$425
	<i>Others</i>	(13)	(50)	(50)	(13)	(13)	\$(138)
	<b>Net Subtotal</b>	<b>\$2,666</b>	<b>\$1,316</b>	<b>\$1,449</b>	<b>\$1,235</b>	<b>\$1,145</b>	<b>\$7,810</b>
<b>Streets and Sidewalks</b>							
PL-04010	Bicycle Boulevards Implementation Project*		50	50	50	50	\$200
	<i>Local Agency Grant</i>		(50)	(25)			\$(75)
PO-89003	Sidewalk Repairs*	2,056	1,870	1,870	1,870	1,870	\$9,536
PE-86070	Street Maintenance*	2,733	1,945	1,945	1,945	1,945	\$10,513
	<i>Federal Grant</i>	(788)					\$(788)
	<i>Street Improvement Fund</i>	(1,070)	(1,070)	(1,070)	(1,070)	(1,070)	\$(5,350)
	<b>Net Subtotal</b>	<b>\$2,931</b>	<b>\$2,745</b>	<b>\$2,770</b>	<b>\$2,795</b>	<b>\$2,795</b>	<b>\$14,036</b>
	<b>Net Total Infrastructure</b>	<b>\$9,305</b>	<b>\$8,909</b>	<b>\$11,749</b>	<b>\$5,597</b>	<b>\$4,090</b>	<b>\$39,649</b>
	Total Gross CityWorks Projects	12,288	10,829	13,122	6,746	5,172	\$48,157



## 2006-11 Capital Improvement Projects *continued*

(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
<b>Miscellaneous</b>							
PL-07001	Intermodal Transit Center	837					<b>\$837</b>
	<i>Federal Grant</i>	(655)					<b>\$(655)</b>
	<i>General Fund</i>	(182)					<b>\$(182)</b>
PE-07011	Library Service Model Analysis	400					<b>\$400</b>
	<i>General Fund</i>	(400)					<b>\$(400)</b>
PD-07000	Mobile Command Vehicle		400				<b>\$400</b>
	<i>General Fund</i>		(400)				<b>\$(400)</b>
AC-86017	Art in Public Places	50	60	60	60	60	<b>\$290</b>
	<i>General Fund</i>	(50)	(60)	(60)	(60)	(60)	<b>\$(290)</b>
PL-06002	Comprehensive Parking Signage Plan	200	200				<b>\$400</b>
	<i>General Fund</i>		(200)				<b>\$(200)</b>
	<i>University Avenue Parking Permits Fund</i>	(200)					<b>\$(200)</b>
PE-06007	Park Restroom Installation		100	100	100	100	<b>\$400</b>
	<i>Development Impact Fees</i>		(100)	(100)	(100)	(100)	<b>\$(400)</b>
PE-05001	Photovoltaic Design and Installations	665					<b>\$665</b>
	<i>Enterprise Funds</i>	(332)					<b>\$(332)</b>
	<i>Federal Grant</i>	(332)					<b>\$(332)</b>
PL-00026	Safe Routes to School	100	100	100	100	100	<b>\$500</b>
	<i>Street Improvement Fund</i>	(100)	(100)	(100)	(100)	(100)	<b>\$(500)</b>
FD-05000	Sixteen(16) ALS Monitor/Defibrillators	120	120				<b>\$240</b>
	<i>General Fund</i>	(90)	(90)				<b>\$(180)</b>
	<i>Stanford</i>	(30)	(30)				<b>\$(60)</b>
PO-05054	Street Lights Improvements	110	115	120	125	130	<b>\$600</b>
	<i>General Fund</i>	(110)	(115)	(120)	(125)	(130)	<b>\$(600)</b>
PL-05030	Traffic Signal Upgrades	135	140	145	150	155	<b>\$725</b>
	<i>General Fund</i>	(135)	(140)	(145)	(150)	(155)	<b>\$(725)</b>
<b>Net Total Miscellaneous</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Capital Fund</b>		<b>\$14,904</b>	<b>\$12,064</b>	<b>\$13,647</b>	<b>\$7,281</b>	<b>\$5,717</b>	<b>\$53,614</b>
<b>Total Reimbursements</b>		<b>\$(5,600)</b>	<b>\$(3,155)</b>	<b>\$(1,898)</b>	<b>\$(1,685)</b>	<b>\$(1,628)</b>	<b>\$(13,964)</b>
<b>Net Capital Fund</b>		<b>\$9,305</b>	<b>\$8,909</b>	<b>\$11,749</b>	<b>\$5,597</b>	<b>\$4,090</b>	<b>\$39,649</b>



## 2006-11 Capital Improvement Projects *continued*

(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
<b>VEHICLE REPLACEMENT FUND</b>							
<b>Miscellaneous</b>							
VR-07001	Automated Motor Pool Reservation and Vehicle Key Management System	60	20				\$80
VR-07002	Diesel Truck Engine Emissions Retrofits	175	150				\$325
VR-07800	Scheduled Vehicle and Equipment Replacements	3,609					\$3,609
	<i>Enterprise Funds</i>	(2,196)					\$(2,196)
	<i>General Fund</i>	(1,386)					\$(1,386)
VR-01000	MSC Equipment Maintenance Facility Storage Area	50					\$50
VR-01002	MSC Equipment Washing Facility Upgrade	300					\$300
VR-06801	Replace City-wide Fuel Transaction and Inventory Management System	200					\$200
VR-04010	Vehicle Maintenance Facility Upgrades	100					\$100
<b>Net Total Miscellaneous</b>		<b>\$912</b>	<b>\$170</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,082</b>
<b>Vehicle Replacement Fund</b>		<b>\$4,494</b>	<b>\$170</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,664</b>
<b>Total Reimbursements</b>		<b>\$(3,582)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$(3,582)</b>
<b>Net Vehicle Replacement Fund</b>		<b>\$912</b>	<b>\$170</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,082</b>
<b>TECHNOLOGY FUND</b>							
<b>Technology</b>							
TE-07003	Bill and Payment Processing	110	110	110	110	110	\$550
	<i>Enterprise Funds</i>	(110)	(110)	(110)	(110)	(110)	\$(550)
TE-07000	CIS/SAP Transition	382	300	300			\$982
	<i>Enterprise Funds</i>	(382)	(300)	(300)			\$(982)
TE-07001	Emergency Notification System	150					\$150
TE-07002	Police Auto-Citation System	125					\$125
	<i>California Avenue Parking Permits Fund</i>	(42)					\$(42)
	<i>General Fund</i>	(42)					\$(42)



## 2006-11 Capital Improvement Projects *continued*

(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
TE-99010	Acquisition of New Computers		75	75	75		\$225
	<i>General Fund</i>		(75)	(75)	(75)		\$(225)
TE-02015	Citywide GIS Data, Infrastructure & Applications	109	259	259	259	200	\$1,085
	<i>Enterprise Funds</i>	(69)	(164)	(164)	(164)	(127)	\$(690)
TE-02014	eGov-Web Infrastructure & Applications	135	135	135	135	75	\$615
	<i>Enterprise Funds</i>	(86)	(86)	(86)	(86)	(48)	\$(391)
TE-01012	IT Disaster Recovery Plan	60	60	60	60	60	\$300
	<i>Enterprise Funds</i>	(38)	(38)	(38)	(38)	(38)	\$(191)
TE-06001	Library RFID Implementation		800				\$800
TE-05000	Radio Infrastructure Replacement	105	14	14	14	333	\$480
	<i>Enterprise Funds</i>	(21)	(3)	(3)	(3)	(67)	\$(96)
	<i>Stanford</i>	(17)	(2)	(2)	(2)	(53)	\$(77)
TE-00010	Telephone System Replacement	100				100	\$200
	<i>Enterprise Funds</i>	(64)				(64)	\$(127)
<b>Net Total Technology</b>		<b>\$406</b>	<b>\$974</b>	<b>\$174</b>	<b>\$174</b>	<b>\$371</b>	<b>\$2,099</b>
<b>Technology Fund</b>		<b>\$1,276</b>	<b>\$1,753</b>	<b>\$953</b>	<b>\$653</b>	<b>\$878</b>	<b>\$5,512</b>
<b>Total Reimbursements</b>		<b>\$(870)</b>	<b>\$(779)</b>	<b>\$(779)</b>	<b>\$(479)</b>	<b>\$(507)</b>	<b>\$(3,412)</b>
<b>Net Technology Fund</b>		<b>\$406</b>	<b>\$974</b>	<b>\$174</b>	<b>\$174</b>	<b>\$371</b>	<b>\$2,099</b>
<b>ELECTRIC FUND</b>							
<b>Miscellaneous</b>							
EL-06004	Power Generation Alternatives - Feasibility Study						\$
<b>Commercial Telecommunications</b>							
EL-06006	Fiber Optic Customer Connections (formerly EL-98002)	200	200	200	200	200	\$1,000
	<i>Others</i>	(200)	(200)	(200)	(200)	(200)	\$(1,000)
EL-06005	Fiber Optic Network System Improvements (formerly EL-98001)	100	100	100	100	100	\$500
<b>Net Total Commercial Telecommunications</b>		<b>\$100</b>	<b>\$100</b>	<b>\$100</b>	<b>\$100</b>	<b>\$100</b>	<b>\$500</b>



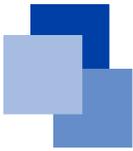
## 2006-11 Capital Improvement Projects *continued*

(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
<b>Distribution System - Customer Design and Connection Services</b>							
EL-89028	Electric Customer Connections	1,600	1,700	1,800	1,900	2,000	<b>\$9,000</b>
	<i>Others</i>	(650)	(700)	(750)	(800)	(850)	<b>\$(3,750)</b>
<b>Net Total Distribution System - Customer Design and Connection Services</b>		<b>\$950</b>	<b>\$1,000</b>	<b>\$1,050</b>	<b>\$1,100</b>	<b>\$1,150</b>	<b>\$5,250</b>
<b>Distribution System - System Improvements</b>							
EL-11004	Hewlett Subdivision Rebuild Los Trancos Road					400	<b>\$400</b>
EL-11003	Rebuild UG District 15					250	<b>\$250</b>
EL-11005	Rebuild UG District 22					250	<b>\$250</b>
EL-10006	Rebuild UG District 24				150	1,200	<b>\$1,350</b>
EL-11002	St. Francis/Oregon/Amarillo/ Louis 4/12kV Conversion					400	<b>\$400</b>
EL-11001	Torrey Court Rebuild					70	<b>\$70</b>
EL-04014	Automated Meter Reading System	50					<b>\$50</b>
	<i>Enterprise Funds</i>	(21)					<b>\$(21)</b>
EL-05001	Colorado Sw Sta 115kV Bus Installation	150	3,000				<b>\$3,150</b>
EL-08000	E. Charleston 4/12kV Conversion		50	500			<b>\$550</b>
EL-08002	E. Meadow/Alma/Loma 4/ 12kV Conversion		60	600			<b>\$660</b>
EL-05000	El Camino Underground Rebuild		1,500				<b>\$1,500</b>
EL-98003	Electric System Improve- ments	1,700	1,800	1,900	2,000	2,100	<b>\$9,500</b>
	<i>Others</i>	(120)	(125)	(130)	(135)	(140)	<b>\$(650)</b>
EL-02011	Electric Utility GIS	30	30	40			<b>\$100</b>
EL-09002	Middlefield / Colorado 4/12 kV Conversion			20	200		<b>\$220</b>
EL-09000	Middlefield Underground Rebuild			75	500		<b>\$575</b>
EL-06000	Park Blvd. 4/12 kV Con- version	35	350				<b>\$385</b>
EL-09003	Rebuild UG District 17			100	500		<b>\$600</b>
EL-05003	Relocation - Alma Substation	1,800	135				<b>\$1,935</b>



## 2006-11 Capital Improvement Projects *continued*

(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
EL-02010	SCADA System Upgrades	75					\$75
EL-89044	Substation Facility Improvements	140	145	150	155	160	\$750
EL-89038	Substation Protection Improvements	200	210	220	230	240	\$1,100
EL-03001	UG District 41 - Colorado/ Cowper/Oregon	3,100	250				\$3,350
	<i>Others</i>	(1,240)	(100)				\$(1,340)
EL-08001	UG District 42 - Fairmeadow Area			200	3,500	520	\$4,220
	<i>Others</i>				(1,400)	(100)	\$(1,500)
EL-09001	UG District 43 - San Antonio				150	2,000	\$2,150
	<i>Others</i>					(800)	\$(800)
EL-06002	UG District 45 - Downtown V		200	2,500	150		\$2,850
	<i>Others</i>			(1,500)	(60)		\$(1,560)
EL-06003	Utility Control Center Upgrades	100	100				\$200
EL-04012	Utility Site Security Improvements	600					\$600
	<i>Enterprise Funds</i>	(450)					\$(450)
<b>Net Total Distribution System - System Improvements</b>		\$6,149	\$7,605	\$4,675	\$5,940	\$6,550	\$30,919
<b>General Services - Communications</b>							
EL-89031	Communications System Improvements	50	55	60	65	70	\$300
EL-04013	Foothills Communication Improvement Plan	90					\$90
<b>Net Total General Services - Communications</b>		\$140	\$55	\$60	\$65	\$70	\$390
<b>Electric Fund</b>		\$10,020	\$9,885	\$8,465	\$9,800	\$9,960	\$48,130
<b>Total Reimbursements</b>		\$(2,681)	\$(1,125)	\$(2,580)	\$(2,595)	\$(2,090)	\$(11,071)
<b>Net Electric Fund</b>		\$7,339	\$8,760	\$5,885	\$7,205	\$7,870	\$37,059
<b style="color: green;">GAS FUND</b>							
<b>Distribution System - Customer Design and Connection Services</b>							
GS-80017	Gas System Extensions	563	580	597	615	633	\$2,988
	<i>Others</i>	(563)	(580)	(597)	(615)	(633)	\$(2,988)



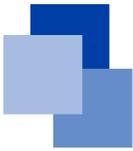
## 2006-11 Capital Improvement Projects *continued*

(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
<b>Net Total Distribution System - Customer Design and Connection Services</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Distribution System - System Improvements</b>							
GS-11000	GMR - Project 21					457	<b>\$457</b>
GS-03007	Directional Boring Equipment	83		56		60	<b>\$199</b>
GS-02013	Directional Boring Machine	165	35		40	185	<b>\$425</b>
GS-80019	Gas Meters and Regulators	262	270	278	286	297	<b>\$1,393</b>
GS-06001	GMR - Project 16	5,110					<b>\$5,110</b>
GS-07002	GMR - Project 17	408	5,259				<b>\$5,667</b>
GS-08011	GMR - Project 18		420	5,408			<b>\$5,828</b>
GS-09002	GMR - Project 19			432	5,556		<b>\$5,988</b>
GS-10001	GMR - Project 20				444	5,700	<b>\$6,144</b>
GS-03008	Polyethylene Fusion Equipment	27		30		32	<b>\$89</b>
GS-03009	System Extensions - Unreimbursed	169	174	180	185	191	<b>\$899</b>
<b>Net Total Distribution System - System Improvements</b>		<b>\$6,224</b>	<b>\$6,158</b>	<b>\$6,384</b>	<b>\$6,511</b>	<b>\$6,922</b>	<b>\$32,199</b>
<b>Gas Fund</b>		<b>\$6,787</b>	<b>\$6,738</b>	<b>\$6,981</b>	<b>\$7,126</b>	<b>\$7,555</b>	<b>\$35,187</b>
<b>Total Reimbursements</b>		<b>\$(563)</b>	<b>\$(580)</b>	<b>\$(597)</b>	<b>\$(615)</b>	<b>\$(633)</b>	<b>\$(2,988)</b>
<b>Net Gas Fund</b>		<b>\$6,224</b>	<b>\$6,158</b>	<b>\$6,384</b>	<b>\$6,511</b>	<b>\$6,922</b>	<b>\$32,199</b>
<b>WATER FUND</b>							
<b>Distribution System - Customer Design and Connection Services</b>							
WS-80013	Water System Extensions	323	333	343	353	364	<b>\$1,716</b>
	<i>Others</i>	(823)	(833)	(843)	(853)	(864)	<b>\$(4,216)</b>
<b>Net Total Distribution System - Customer Design and Connection Services</b>		<b>\$(500)</b>	<b>\$(500)</b>	<b>\$(500)</b>	<b>\$(500)</b>	<b>\$(500)</b>	<b>\$(2,500)</b>
<b>Distribution System - System Improvements</b>							
WS-07004	Water System Portable Emergency Generators	130	132	134			<b>\$396</b>
WS-11000	WMR - Project 25					292	<b>\$292</b>
WS-09000	Seismic Water Tank Valve			250	550		<b>\$800</b>
WS-02014	W-G-W Utility GIS Data	230	30	40			<b>\$300</b>



## 2006-11 Capital Improvement Projects *continued*

(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
<i>Enterprise Funds</i>		(153)	(20)	(27)			<b>\$(200)</b>
WS-80015	Water Meters	185	191	197	203	209	<b>\$985</b>
WS-07000	Water Regulation Station Improvements	320	710				<b>\$1,030</b>
WS-80014	Water Service Hydrant Replacement	140	143	146	149	152	<b>\$730</b>
WS-07003	WMR - Project 21	226	2,700				<b>\$2,926</b>
WS-10001	WMR - Project 24				292	2,700	<b>\$2,992</b>
WS-06002	WMR - Project 20	2,500					<b>\$2,500</b>
WS-08017	WMR - Project 22		233	2,500			<b>\$2,733</b>
WS-09001	WMR - Project 23			240	2,600		<b>\$2,840</b>
<b>Net Total Distribution System - System Improvements</b>		<b>\$3,578</b>	<b>\$4,119</b>	<b>\$3,480</b>	<b>\$3,794</b>	<b>\$3,353</b>	<b>\$18,324</b>
<b>Water Fund</b>		<b>\$4,054</b>	<b>\$4,472</b>	<b>\$3,850</b>	<b>\$4,147</b>	<b>\$3,717</b>	<b>\$20,240</b>
<b>Total Reimbursements</b>		<b>\$(976)</b>	<b>\$(853)</b>	<b>\$(870)</b>	<b>\$(853)</b>	<b>\$(864)</b>	<b>\$(4,416)</b>
<b>Net Water Fund</b>		<b>\$3,078</b>	<b>\$3,619</b>	<b>\$2,980</b>	<b>\$3,294</b>	<b>\$2,853</b>	<b>\$15,824</b>
<b>WASTEWATER COLLECTION FUND</b>							
<b>Distribution System - Customer Design and Connection Services</b>							
WC-80020	Sewer System Extensions	367	378	389	401	413	<b>\$1,948</b>
	<i>Others</i>	(867)	(878)	(889)	(901)	(913)	<b>\$(4,448)</b>
<b>Net Total Distribution System - Customer Design and Connection Services</b>		<b>\$(500)</b>	<b>\$(500)</b>	<b>\$(500)</b>	<b>\$(500)</b>	<b>\$(500)</b>	<b>\$(2,500)</b>
<b>Distribution System - System Improvements</b>							
WC-10002	WW Collection Sys. Rehab/ Aug. Project 23				280	2,650	<b>\$2,930</b>
WC-11000	WW Collection Sys. Rehab/ Aug. Project 24					290	<b>\$290</b>
WC-99013	Sewer Manhole Rehab/ Replacement	400	400	400	400	400	<b>\$2,000</b>
WC-06003	WW Collection Sys. Rehab/ Aug. Project 19	3,335					<b>\$3,335</b>
WC-07004	WW Collection Sys. Rehab/ Aug. Project 20	255	2,400				<b>\$2,655</b>
WC-08012	WW Collection Sys. Rehab/ Aug. Project 21		265	2,600			<b>\$2,865</b>



## 2006-11 Capital Improvement Projects *continued*

(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
WC-09001	WW Collection Sys. Rehab/ Aug. Project 22			270	2,575		\$2,845
<b>Net Total Distribution System - System Improvements</b>		\$3,990	\$3,065	\$3,270	\$3,255	\$3,340	\$16,920
<b>Wastewater Collection Fund</b>		\$4,357	\$3,443	\$3,659	\$3,656	\$3,753	\$18,868
<b>Total Reimbursements</b>		\$(867)	\$(878)	\$(889)	\$(901)	\$(913)	\$(4,448)
<b>Net Wastewater Collection Fund</b>		\$3,490	\$2,565	\$2,770	\$2,755	\$2,840	\$14,420
<b>REFUSE FUND</b>							
<b>Miscellaneous</b>							
RF-11001	Landfill Closure					3,325	\$3,325
<b>Net Total Miscellaneous</b>		\$0	\$0	\$0	\$0	\$3,325	\$3,325
<b>Collection System - System Improvements</b>							
RF-07001	Relocation of Landfill Facili- ties		1,000				\$1,000
<b>Net Total Collection System - System Improvements</b>		\$0	\$1,000	\$0	\$0	\$0	\$1,000
<b>Net Refuse Fund</b>		\$0	\$1,000	\$0	\$0	\$3,325	\$4,325
<b>WASTEWATER TREATMENT FUND</b>							
<b>Wastewater Treatment - System Improvements</b>							
WQ-06014	Disinfection Facility Improve- ment Program	120	500	1,000			\$1,620
WQ-06013	Sludge Ash Processing and Beneficial Use	400	800	100			\$1,300
WQ-04011	Facility Condition Assess- ment & Retrofit	100	100	100			\$300
WQ-80021	Plant Equipment Replacement	300	1,100	2,300	2,500	2,500	\$8,700
WQ-04010	Replace Existing Reclaimed Water Pipe	4,000	100	100			\$4,200
	<i>Local Agency Grant</i>	(3,200)					\$(3,200)
WQ-80022	System Flow Meter	400	100	100	100	100	\$800
<b>Net Total Wastewater Treatment - System Improvements</b>		\$2,120	\$2,700	\$3,700	\$2,600	\$2,600	\$13,720
<b>Wastewater Treatment Fund</b>		\$5,320	\$2,700	\$3,700	\$2,600	\$2,600	\$16,920
<b>Total Reimbursements</b>		\$(3,200)	\$0	\$0	\$0	\$0	\$(3,200)



## 2006-11 Capital Improvement Projects *continued*

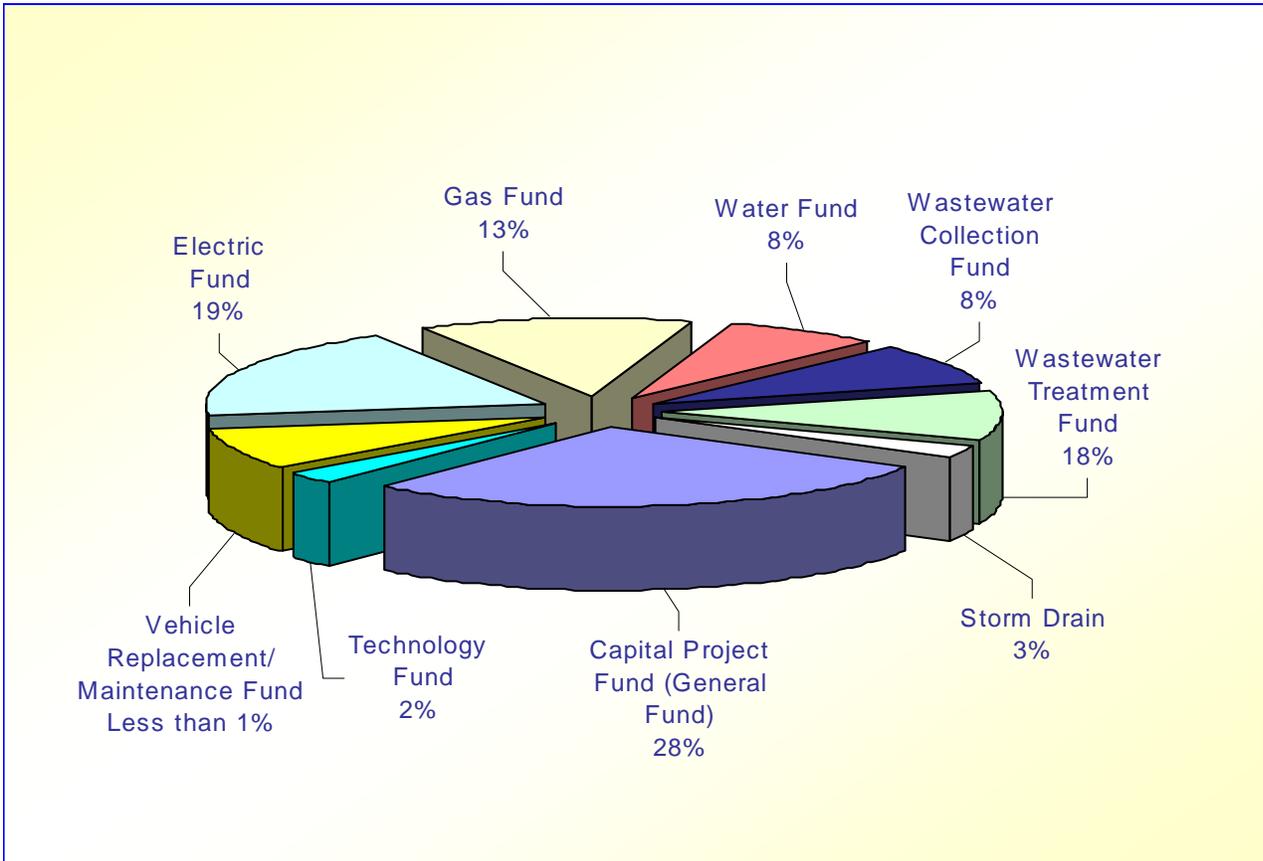
(\$000) CIP Number	Project Title	2006-07	2007-08	2008-09	2009-10	2010-11	Total
<b>Net Wastewater Treatment Fund</b>		<b>\$2,120</b>	<b>\$2,700</b>	<b>\$3,700</b>	<b>\$2,600</b>	<b>\$2,600</b>	<b>\$13,720</b>
<b>STORM DRAINAGE FUND</b>							
<b>Collection System - System Improvements</b>							
SD-08101	Alma Street Storm Drain Improvements		220	1,370			<b>\$1,590</b>
SD-06104	Connect Clara Drive Storm Drains to Matadero Pump Station	735					<b>\$735</b>
SD-06105	Innovative Storm Drain Improvements	128	125	125	125	125	<b>\$628</b>
SD-06102	San Francisquito Creek Storm Water Pump Station		3,750				<b>\$3,750</b>
SD-10101	Southgate Neighborhood Storm Drain Improvements				1,300	900	<b>\$2,200</b>
SD-06101	Storm Drain System Replacement and Rehabilitation	510	500	500	500	500	<b>\$2,510</b>
<b>Net Total Collection System - System Improvements</b>		<b>\$1,373</b>	<b>\$4,595</b>	<b>\$1,995</b>	<b>\$1,925</b>	<b>\$1,525</b>	<b>\$11,413</b>
<b>Net Storm Drainage Fund</b>		<b>\$1,373</b>	<b>\$4,595</b>	<b>\$1,995</b>	<b>\$1,925</b>	<b>\$1,525</b>	<b>\$11,413</b>



## 2006-11 Capital Improvement Projects *continued*

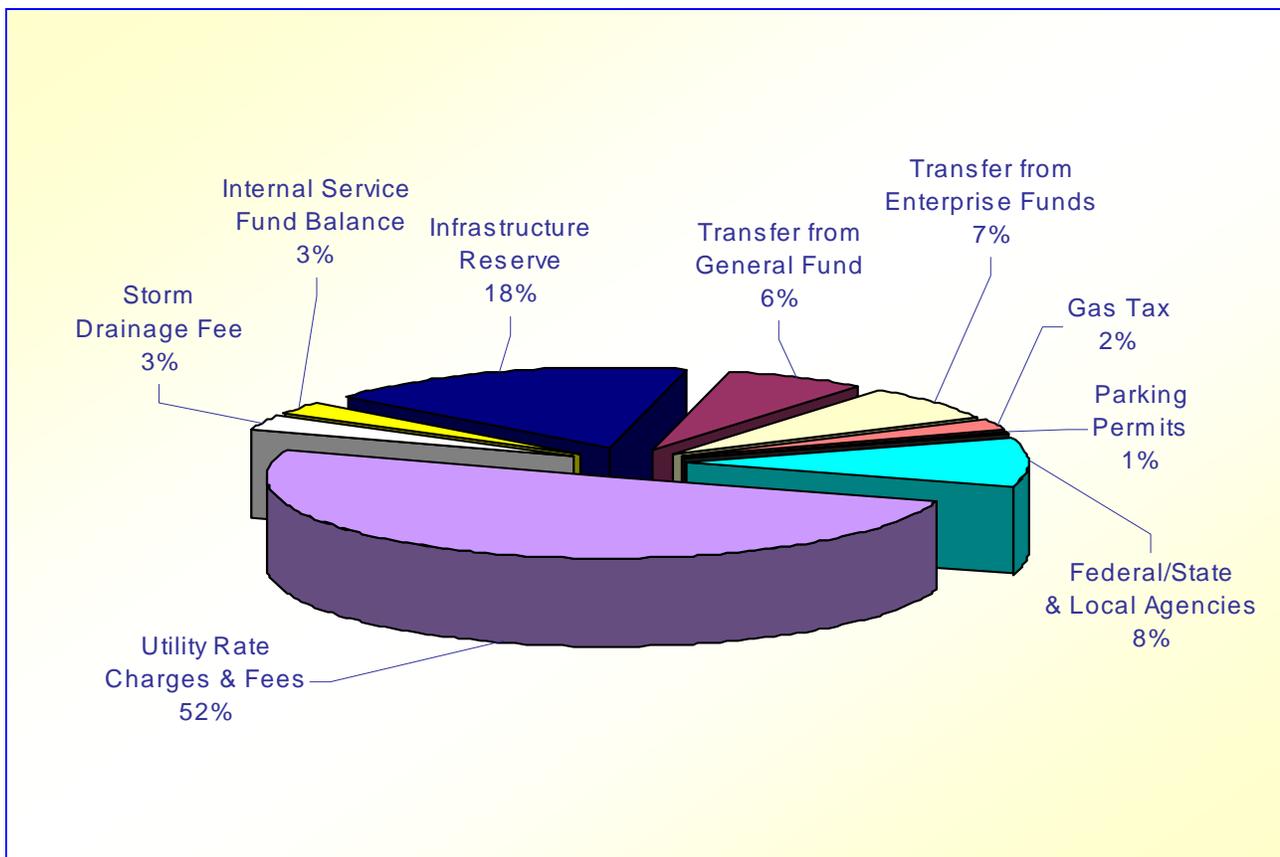
# 2006-07 Capital Projects by Fund - Total Expenditures

**\$52.6 Million / Adopted 2006-07**



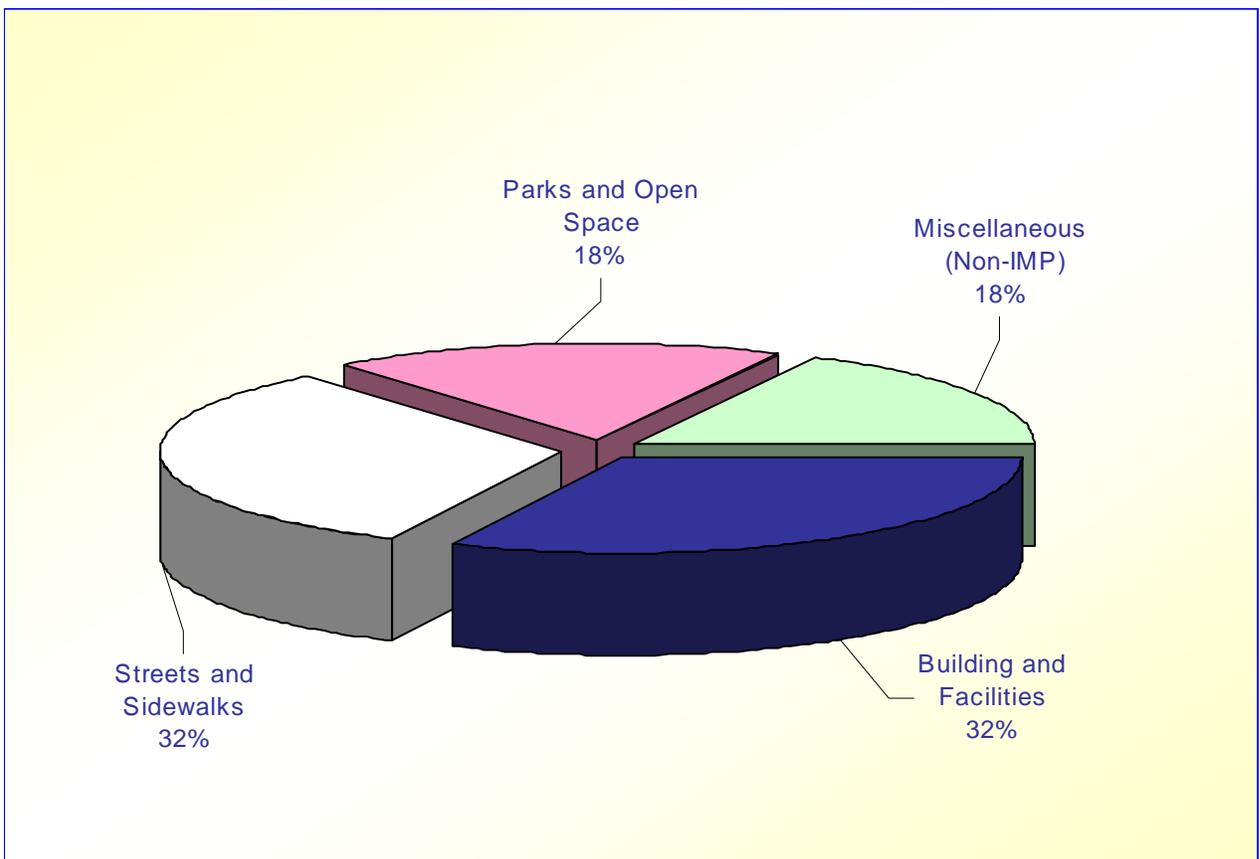
# 2006-07 Capital Projects by Fund - Total Funding Sources

**\$52.6 Million / Adopted 2006-07**



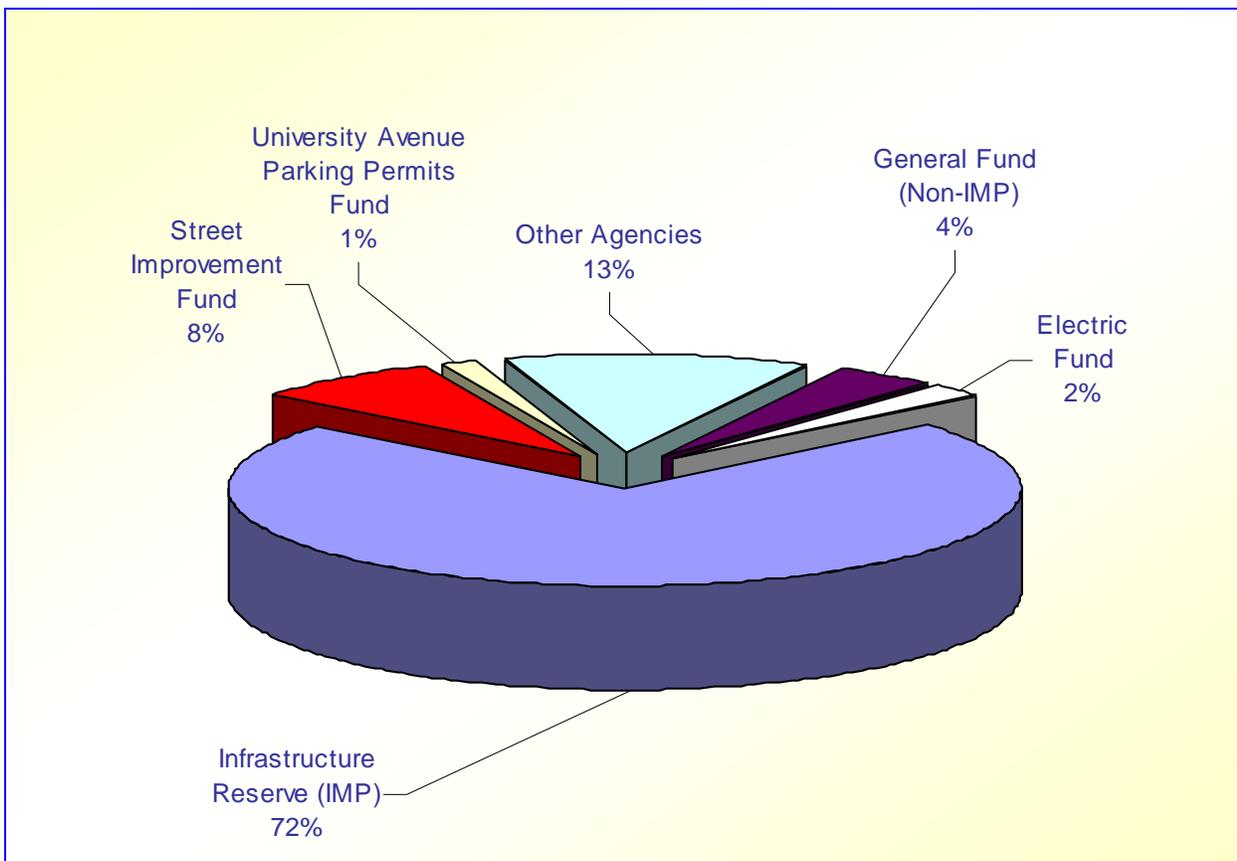
# 2006-07 General Fund Capital Projects - Total Expenditures by Category

**\$14.9 Million / Adopted 2006-07**

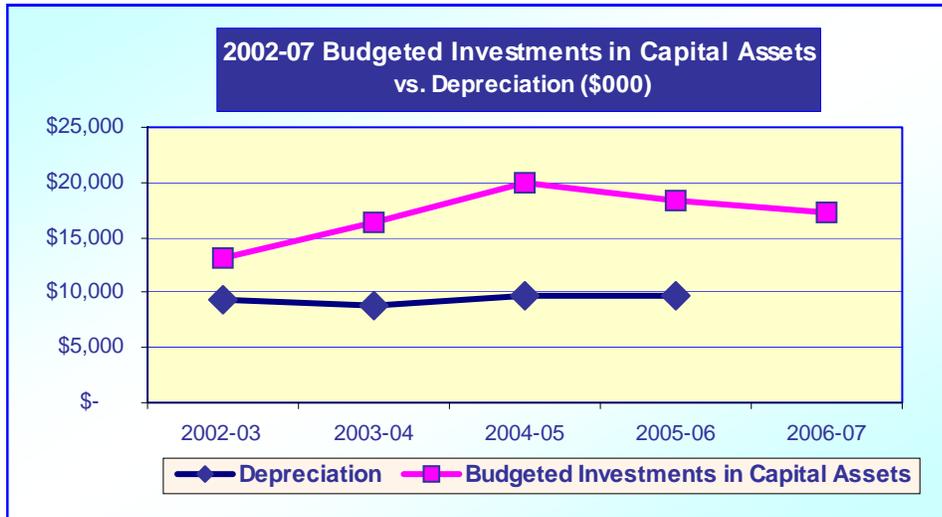


# 2006-07 General Fund Capital Projects - Total Funding Sources

**\$14.9 Million / Adopted 2006-07**



# General Fund Capital Projects - Budgeted Investments in Capital Assets vs. Depreciation



## HISTORICAL DEPRECIATION EXPENSE COMPARED TO BUDGETED INVESTMENTS IN CAPITAL ASSETS

Category	Depreciation				Budgeted Investments in Capital Assets				
	2002-03 Actual	2003-04 Actual	2004-05 Actual	2005-06 Projected	2002-03 Adopted	2003-04 Adopted	2004-05 Adopted	2005-06 Adopted	2006-07 Adopted
Buildings and Improvements	315	305	298	370	3,788	4,552	7,044	6,438	4,757
Equipment	3,090	2,596	3,428	3,423	3,939	5,596	4,945	5,040	5,770
Roadway Network	5,800	5,704	5,732	5,706	4,562	4,240	5,228	4,332	4,001
Recreation and Open Space Network	152	204	208	277	866	1,907	2,790	2,486	2,742
<b>TOTALS</b>	<b>\$9,357</b>	<b>\$8,809</b>	<b>\$9,666</b>	<b>\$9,776</b>	<b>\$13,155</b>	<b>\$16,295</b>	<b>\$20,007</b>	<b>\$18,296</b>	<b>\$17,270</b>

**NOTE:** Depreciation is computed using the straight line method which means that cost of the asset is divided by its expected useful life in years. This methodology is consistent with generally accepted accounting principles applied in the preparation of the City's Comprehensive Annual Financial Report (CAFR). The City has assigned the useful lives listed below to capital assets:

Capital Projects	Years
Buildings and Structures	10-30
Equipment:	
Computer equipment	4
Office machinery & equipment	5
Machinery & equipment	10
Roadway network includes pavement, striping & legends, curbs, gutters & sidewalks, parking lots, traffic signage and bridges	5-40
Recreation and open space network includes major park facilities, park trails, bike paths and median	25-40

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## 2005-06 ADOPTED CIP PROJECTS

Project Number	Project Title	2005-06 Adopted Budget Amount
<b>Capital Fund</b>		
<b>PL-06001</b>	Adobe Creek Bicycle Bridge Replacement	50,000
<b>PE-06006</b>	Alma Street Landscape Improvements (Formerly identified in PG-00009)	158,375
<b>PF-93009</b>	Americans with Disabilities Act Compliance	170,280
<b>PE-04014</b>	Animal Shelter Expansion & Renovation	442,875
<b>AC-86017</b>	Art in Public Places	50,000
<b>PL-04010</b>	Bicycle Boulevards Implementation Project	50,000
<b>PE-06004</b>	Bowden Park Improvements (Formerly identified in PG-00010)	144,625
<b>PF-01003</b>	Building Systems Improvements	63,000
<b>PE-04011</b>	Cambridge Parking Structure Improvements	229,710
<b>PL-05002</b>	Charleston/Arastradero Corridor Plan	100,000
<b>PE-04010</b>	Children's Library Improvements	124,875
<b>PF-01002</b>	Civic Center Infrastructure Improvements	1,870,310
<b>PE-05010</b>	College Terrace Library Improvements	283,280
<b>PL-06002</b>	Comprehensive Parking Signage Plan	125,000
<b>PF-06003</b>	Cubberley Community Center Fire Alarm System	50,070
<b>PE-06012</b>	Cubberley Landscaping	50,000
<b>PF-04010</b>	Cubberley Mechanical and Electrical Upgrades	1,035,700
<b>PF-02022</b>	Facility Interior Finishes Replacement	65,210
<b>PF-01004</b>	Fire Station Improvements	473,183
<b>PF-05003</b>	Foothills Park Interpretive Center Improvements	120,140
<b>PF-04001</b>	General Buildings Study	185,140
<b>PL-06005</b>	Installation of Ticket Machines	75,000
<b>PE-06008</b>	Johnson Park Improvements (Formerly identified in PG-00010)	78,625
<b>PE-98003</b>	Mitchell Park Facilities Improvements (Formerly PG-98003)	429,125
<b>PE-04012</b>	Mitchell Park Library & Community Center	1,208,750
<b>OS-00002</b>	Open Space Lakes and Ponds Maintenance	40,000
<b>OS-00003</b>	Open Space Parking Improvements	116,286
<b>OS-00001</b>	Open Space Trails and Amenities	100,066
<b>PE-06007</b>	Park Restroom Installation	121,937
<b>PE-05001</b>	Photovoltaic Design and Installations	723,000
<b>PF-00006</b>	Roofing Replacement	115,210
<b>PL-00026</b>	Safe Routes to School	100,000
<b>PE-00104</b>	San Antonio Medians (Formerly identified in PG-00009)	212,750
<b>PG-98001</b>	School Playing Field Irrigation	148,500
<b>PO-89003</b>	Sidewalk Repairs	2,135,100
<b>FD-05000</b>	Sixteen(16) ALS Monitor/Defibrillators	120,000
<b>PG-04010</b>	Stanford /Palo Alto Community Playing Fields	800,000
<b>PO-05054</b>	Street Lights Improvements	106,000



## 2005-06 Adopted CIP Projects *continued*

<b>Project Number</b>	<b>Project Title</b>	<b>2005-06 Adopted Budget Amount</b>
<b>PE-86070</b>	Street Maintenance	2,146,965
<b>PG-06001</b>	Tennis and Basketball Court Resurfacing	82,000
<b>PE-06005</b>	University Ave. Gateway Landscaping Imp. (Formerly identified in PG-	124,938
<b>Total Capital Fund</b>		<b>\$14,826,025</b>
<b>Vehicle Replacement Fund</b>		
<b>VR-01000</b>	MSC Equipment Maintenance Facility Storage Area	140,000
<b>VR-06800</b>	MTBE Investigation at Fire Station #2	100,000
<b>Total Vehicle Replacement Fund</b>		<b>\$240,000</b>
<b>Technology Fund</b>		
<b>TE-06002</b>	9-1-1 Emergency Phone System Upgrade	324,000
<b>TE-99010</b>	Acquisition of New Computers	16,000
<b>TE-02015</b>	Citywide GIS Data, Infra. & Applications	108,632
<b>TE-02014</b>	eGov-Web Infrastructure & Applications	150,000
<b>TE-01012</b>	IT Disaster Recovery Plan	60,000
<b>TE-06000</b>	Library Circulation Self-Service Checkout Stations	33,000
<b>TE-06001</b>	Library RFID Implementation	45,000
<b>TE-95016</b>	Permit Information Tracking System	50,000
<b>TE-05000</b>	Radio Infrastructure Replacement	341,980
<b>TE-00010</b>	Telephone System Replacement	100,000
<b>Total Technology Fund</b>		<b>\$1,228,612</b>
<b>Electric Fund</b>		
<b>EL-06001</b>	230 KV Electric Intertie	500,000
<b>EL-04014</b>	Automated Meter Reading System	520,000
<b>EL-05001</b>	Colorado Sw Sta 115kV Bus Installation	100,000
<b>EL-89031</b>	Communications System Improvements	100,000
<b>EL-05000</b>	El Camino Underground Rebuild	100,000
<b>EL-89028</b>	Electric Customer Connections	1,500,000
<b>EL-98003</b>	Electric System Improvements	1,600,000
<b>EL-02011</b>	Electric Utility GIS	30,000
<b>EL-04007</b>	Embarcadero Rebuild 101 to Baylands	700,000
<b>EL-98002</b>	Fiber Optic Customer Connections	200,000
<b>EL-98001</b>	Fiber Optic Network System Improvements	100,000
<b>EL-04013</b>	Foothills Communication Improvement Plan	60,000
<b>EL-04005</b>	Holly Oak/Christine Underground Rebuild	100,000
<b>EL-05022</b>	Louis East Charleston 4/12/kV Conversion	400,000
<b>EL-05020</b>	Mumford/Alma/Scripps 4/12kV	350,000
<b>EL-06004</b>	Power Generation Alternatives - Feasibility Study	500,000
<b>EL-05021</b>	Ross/E. Meadow 4/12kV Conversion	250,000



## 2005-06 Adopted CIP Projects *continued*

<b>Project Number</b>	<b>Project Title</b>	<b>2005-06 Adopted Budget Amount</b>
<b>EL-02010</b>	SCADA System Upgrades	75,000
<b>EL-89044</b>	Substation Facility Improvements	135,000
<b>EL-89038</b>	Substation Protection Improvements	190,000
<b>EL-06003</b>	Utility Control Center Upgrades	100,000
<b>EL-99005</b>	Utility Print Design	45,000
<b>EL-04012</b>	Utility Site Security Improvements	110,000
<b>Total Electric Fund</b>		<b>\$7,765,000</b>
<b>Gas Fund</b>		
<b>GS-02013</b>	Directional Boring Machine	30,000
<b>GS-80019</b>	Gas Meters and Regulators	254,000
<b>GS-80017</b>	Gas System Extensions	546,000
<b>GS-05002</b>	GMR - Project 15	2,122,000
<b>GS-06001</b>	GMR - Project 16	402,000
<b>GS-03009</b>	System Extensions - Unreimbursed	164,000
<b>Total Gas Fund</b>		<b>\$3,518,000</b>
<b>Water Fund</b>		
<b>WS-04004</b>	Mayfield Pump Station	1,300,000
<b>WS-02014</b>	W-G-W Utility GIS Data	30,000
<b>WS-80015</b>	Water Meters	202,000
<b>WS-80014</b>	Water Service Hydrant Replacement	88,000
<b>WS-80013</b>	Water System Extensions	314,000
<b>WS-05001</b>	WMR - Project 19	300,000
<b>WS-06002</b>	WMR - Project 20	220,000
<b>Total Water Fund</b>		<b>\$2,454,000</b>
<b>Wastewater Collection Fund</b>		
<b>WC-99013</b>	Sewer Manhole Rehab/Replacement	400,000
<b>WC-80020</b>	Sewer System Extensions	357,000
<b>WC-05003</b>	WW Collection Sys. Rehab/Aug. Project 18	3,225,000
<b>WC-06003</b>	WW Collection Sys. Rehab/Aug. Project 19	340,000
<b>Total Wastewater Collection Fund</b>		<b>\$4,322,000</b>
<b>Wastewater Treatment Fund</b>		
<b>WQ-04011</b>	Facility Condition Assess. & Retrofit	800,000
<b>WQ-80021</b>	Plant Equipment Replacement	300,000
<b>WQ-04010</b>	Replace Existing Reclaimed Water Pipe	8,000,000
<b>WQ-80022</b>	System Flow Meter	100,000
<b>Total Wastewater Treatment Fund</b>		<b>\$9,200,000</b>



## 2005-06 Adopted CIP Projects *continued*

<b>Project Number</b>	<b>Project Title</b>	<b>2005-06 Adopted Budget Amount</b>
<b>Storm Drainage Fund</b>		
<b>SD-06104</b>	Connect Clara Drive Storm Drains to Matadero Pump Station	218,480
<b>SD-06103</b>	Extend Gailen/Bibbits Storm Drain Outfall to the Adobe Pump Station	691,460
<b>SD-06105</b>	Innovative Storm Drain Improvements	135,400
<b>SD-06102</b>	San Francisquito Creek Storm Water Pump Station	949,920
<b>SD-06101</b>	Storm Drain System Replacement and Rehabilitation	578,000
	<b>Total Storm Drainage Fund</b>	<b>\$2,573,260</b>
<b>GRAND TOTAL</b>		<b>\$46,126,897</b>



**Capital Fund Projects**



# General Fund Overview - Capital Improvement Program

## An Overview



The focus on the infrastructure needs of the community continues to be one of the City Council's important agenda. The commitment to infrastructure underscores the importance to the future of the City that repair and replacement of the existing infrastructure occur on a regular schedule.

The General Fund section of this CIP document includes two types of capital-related project work:

### Infrastructure Management Plan (IMP) Projects

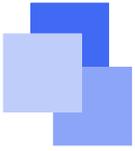
The plan approved by the City Council in 1998 consists of Buildings and Facilities, Streets and Sidewalks, which include traffic and transportation projects, and Parks and Open Space. The IMP, also known as City Works, emphasizes renovation and replacement of existing facilities according to Council policy. Projects included in the IMP had expanded since the initial plan was approved in 1998 as Council has approved added new projects or staff has proposed expanding the scope of original projects. Most of these projects concern health and safety issues or are required by legal mandates.

### Non-IMP Projects

These projects may be funded by the General Fund, but more often are funded in whole or in part by outside funds such as gas tax, impact fees, federal and state grants or other local agencies.

The 2006-07 Adopted Capital Fund CIP includes \$14.9 million in project expenditures. This amount is reduced by a net \$5.6 million in reimbursements including \$1.2 million from the Street Improvement Fund dedicated to street maintenance.

This fund is allocated a total of 20.2 Full Time Equivalent (FTE) employees for 2006-07. This includes 5.78 FTE transfer in 2005-06 from the General Fund as additional CIP-related staffing needs have been identified for capital work. In the 2006-07 Proposed Budget, salaries and benefits are presented in the financial summary as a separate line item. Benefits and salaries will be allocated to individual project as part of the year-end close process.



## General Fund Overview - Capital Improvement Program *continued*

### Infrastructure

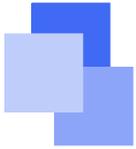
There has been an enormous amount of work accomplished with the IMP implementation. Approximately \$13.3 million was budgeted for IMP infrastructure work in 2005-06 and approximately \$12.3 million is planned for 2006-07. This compares to the "baseline" spending in Fiscal Year 1999-00 of \$6.3 million.

Fiscal Year 2006-07 is the seventh year that a budget has been prepared for the IMP and the sixth year the CityWorks Team has overseen the plan. The CityWorks team is composed of senior project managers from all the major City departments, plus the City Manager's Office and the Administrative Services Department.

In Fiscal Year 1997-98, an outside consultant prepared a report known as the Adamson report. As a result of this report, the City's infrastructure was catalogued and ranked based on when the infrastructure needed to be upgraded or replaced and the cost for each item. At that time, the City Council established a 10-year plan using the Adamson report to schedule and estimate the cost of needed projects.

This ten-year plan was projected to cost \$100 million dollars. However, many factors have contributed to change both the cost and timeline over time. Some factors include the competing requests for new infrastructure, staffing constraints, extended public review of some projects, and extended time frames required to complete major projects.

The Adopted 2006-07 IMP Budget includes a sustainability contingency account in the amount of \$0.4 million. During a project's design phase, if a project manager identifies elements in the project that meet the criteria for sustainability funds, the project manager will take part in an approval process to get these funds transferred into the qualifying project. This account will be used for specific measures that are either cost-effective resource efficiency projects or sustainability measures identified under nationally recognized standards.



## General Fund Overview - Capital Improvement Program

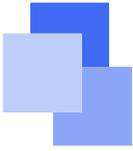
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### New Projects

The 2006-11 five-year plan includes the addition of the new projects listed on the table below. These projects are also identified as new on the project page.

2006-11 CIP List of New Projects GENERAL FUND	
CIP NO.	Project Title
<b>Buildings and Facilities</b>	
PF-07003	Children's Theatre Fire/Life Safety Upgrades
PE-98020	Public Safety Building *
<b>Parks and Open Space</b>	
PE-07009	Baylands Athletic Fencing, Dugout & Trailhead Parking Renovations
OS-07000	Foothills Park Road Improvements
<b>Non-IMP</b>	
PL-07001	Intermodal Transit Center
PE-07011	Library Service Model Analysis *
PD-07000	Mobile Command Vehicle *
* Top 3 Council Priority	



## General Fund Overview - Capital Improvement Program

*continued*

### Council Policy Direction

The projects requiring Council policy direction are listed below and are also identified on the project page.

2006-11 CIP List of Projects Requiring Council Policy Direction		Council Policy Direction Criteria
CIP No.	Project Title	
PF-07000	Art Center Electrical & Mechanical Upgrades	7
OS-07009	Baylands Athletic Ctr Fencing, Dugout & Trailhead Parking Renovations	4
PL-04010	Bicycle Blvds. Implementation Project	4
PE-07005	California Avenue Fountain Repair	4
PE-07007	Cubberley Turf Renovation	4
PE-07011	Library Service Model Analysis	4, 8, 9
PD-07000	Mobile Command Vehicle*	9
OS-07003	Open Space Maintenance Shop Rehabilitation	4
PE-06007	Park Restroom Restoration	3, 4
PE-98020	Public Safety Building	4, 6, 8, 9
PL-00026	Safe Routes to School	3, 4
PE-06001	San Antonio Bridge Structural Repairs and Maintenance	4

Criteria for identifying capital projects that require Council policy direction are as follows:

1. Project would require an amendment to the Comprehensive Plan or other master plans.
2. Project would require a change in land use.
3. Project involves a significant change in service levels requiring additional staffing or other resources.
4. Project is not in planned General Fund IMP and/or does not have an identified funding source.
5. Project requires acquisition or disposition of property.
6. Project will probably require an Environmental Impact Review.
7. Project requires significant diversion of staffing and/or City funds due to outside funding opportunity (e.g. grants).
8. Project may require voter and/or property owner approval (e.g. libraries and storm drains).
9. This project is a Council Top 3 Priority.



# **GENERAL FUND PROJECTS**





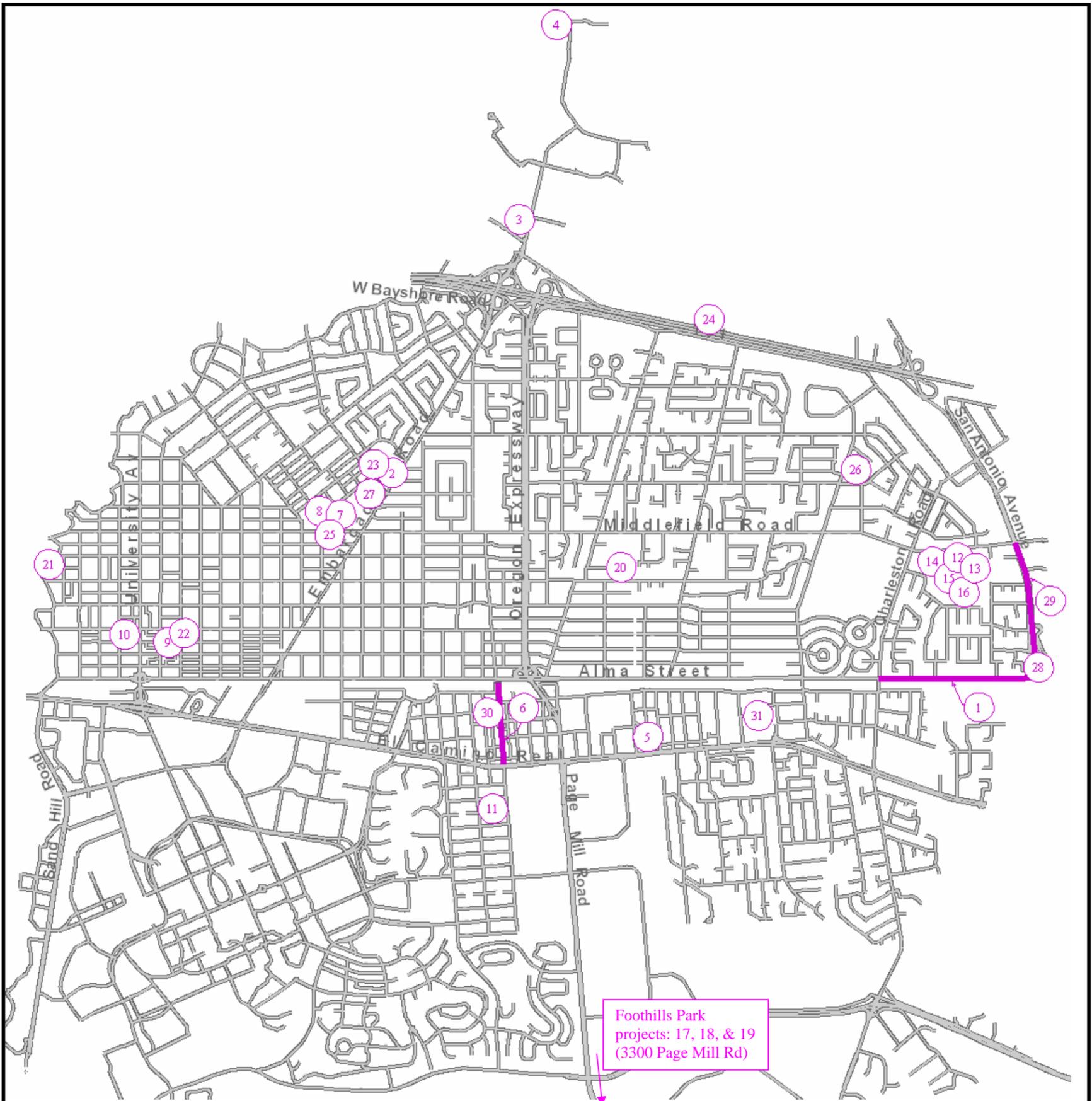
# Infrastructure Management Plan





City of Palo Alto  
2006-2011

## INFRASTRUCTURE MANAGEMENT PLAN Capital Improvement Program



### LEGEND

- |             |   |             |   |
|-------------|---|-------------|---|
| 1 PE-06006  | Alma Street Landscape Improvements (2009-10)              | 17 OS-07002 | Foothills Park Interp. Center & Maint. Yard Parking (2006-07) |
| 2 PF-07000  | Art Center Electrical & Mechanical Upgrades (2006-08)     | 18 PF-05003 | Foothills Park Interpretive Center Improvements (2006-07)     |
| 3 PE-07009  | Baylands Athletic Center Renovations (2007-09)            | 19 OS-07000 | Foothills Park Road Improvements (2006-11)                    |
| 4 PF-07002  | Baylands Interpretive Center (2009-10)                    | 20 PE-07002 | Hoover Park Improvements (2006-07)                            |
| 5 PE-07006  | Boulware Park Improvements (2006-07)                      | 21 PE-07001 | Hopkins Park Improvements (2010-11)                           |
| 6 PE-07005  | California Avenue Improvements (2006-07)                  | 22 PF-09001 | Library: Downtown Library Mech. & Elect. Upgrades (2008-10)   |
| 7 PF-07003  | Children's Theatre Fire/Life Safety Upgrades (2006-07)    | 23 PF-07010 | Library: Main Library Improvements (2007-09)                  |
| 8 PF-09000  | Children's Theatre Improvements (2008-10)                 | 24 PF-05002 | Municipal Service Center Renovation (2007-09)                 |
| 9 PF-01002  | Civic Center Infrastructure Improvements (2006-09)        | 25 OS-07003 | Open Space Maintenance Shop Rehabilitation (2006-07)          |
| 10 PE-07004 | Cogswell Plaza Improvements (2010-11)                     | 26 PE-07003 | Ramos Park Improvements (2006-07)                             |
| 11 PE-05010 | College Terrace Library, Child Care Center Imp. (2006-09) | 27 PE-08001 | Rinconada Park Improvements (2008-09)                         |
| 12 PF-06003 | Cubberley Community Center Fire Alarm System (2006-07)    | 28 PE-06001 | San Antonio Bridge Structural Repairs & Maint. (2006-07)      |
| 13 PF-04010 | Cubberley Mechanical and Electrical Upgrade (2007-10)     | 29 PE-00104 | San Antonio Medians (2006-07)                                 |
| 14 PF-06004 | Cubberley Restroom Upgrades (2006-07)                     | 30 PF-06001 | Ted Thompson Garage (2009-10)                                 |
| 15 PE-07007 | Cubberley Turf Renovation (2007-08)                       | 31 PF-06002 | Ventura Building Improvements (2007-09)                       |
| 16 PF-07001 | Cubberley Wing I Elevator Upgrade (2006-07)               |             |   |





**Buildings and Facilities**





# AMERICANS WITH DISABILITIES ACT COMPLIANCE (PF-93009)

**Description:** This project is to make City facilities, programs, services, and activities accessible to persons with disabilities. It includes continued funding for improvements such as path of travel, restroom upgrades, drinking fountains and counters. This funding will also be utilized for other CIP project design or construction phases where accessibility improvements are identified.

**Justification:** The Americans with Disabilities Act of 1990 affects most aspects of the City's programs, services, and facilities. In order to comply with the federal law and related regulations, the City prepared a Transition Plan and Self-Evaluation Final Study that identified physical obstacles and described improvements to make facilities, programs, and services accessible. Implementation of this plan will continue in the FY 2007-11 CIP.

**Consultant Services Scope:** See Supplemental Information.

**Supplemental Information:** Consultant services, including architectural and structural, mechanical and electrical engineering, may be required.

## CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2007-2011
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24 and C-32.

## IMPACT ANALYSIS:

- **Environmental:** May require mitigated negative declaration if historic bldg.
- **Design Elements:** Exterior changes will be subject to ARB review.

### PRIOR YEARS

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$150,000	\$150,000	\$150,000			\$450,000
Other						
<b>Total Budget Request</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>			<b>\$450,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# ART CENTER ELECTRICAL & MECHANICAL UPGRADES (PF-07000)

**Description:** This project will replace original mechanical and electrical equipment and systems to meet current occupant need, provide code compliance, and optimize operation and energy efficiency. This project is proposed to be completed in coordination with a building addition funded by the Art Center Foundation.

**Justification:** Many components of the mechanical and electrical systems are original and have reached the end of their useful lives.

**Consultant Services Scope:** See Supplemental Information.

**Supplemental Information:** Consultant services may include conceptual design, design development, construction documents, and construction administration. Consultant will analyze existing systems and design renovations to meet current code and user need. Consultant services may also include structural engineering, architectural design, mechanical and electrical engineering.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2007-2008
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24.

**IMPACT ANALYSIS:**

- **Environmental:** This project is categorically exempt under CEQA Sec 15301.
- **Design Elements:** Will require ARB review for exterior elements.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$290,000					\$290,000
Construction Costs		\$1,450,000				\$1,450,000
Other						
<b>Total Budget Request</b>	<b>\$290,000</b>	<b>\$1,450,000</b>				<b>\$1,740,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					
Council Policy Direction:	Project requires significant diversion of staffing and/or City funds due to outside funding opportunity.					



# BAYLANDS INTERPRETIVE CENTER IMPROVEMENT (PF-07002)

**Description:** This project will replace deteriorated exterior siding and structural framing members as required.

**Justification:** This project is required to maintain the integrity of the building shell and was identified as such in the IMP. Without it, water will infiltrate into the building framing and the structure itself will deteriorate.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2010-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24.

**IMPACT ANALYSIS:**

- **Environmental:** This project is categorically exempt under CEQA 15301.
- **Design Elements:** Exterior changes subject to ARB review.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs				\$267,000		\$267,000
Other						
<b>Total Budget Request</b>				<b>\$267,000</b>		<b>\$267,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# BUILDING SYSTEMS IMPROVEMENTS (PF-01003)

**Description:** This project provides electrical, mechanical, and structural system upgrades as required at various City facilities. Facility system improvements occur on an as-needed basis; therefore no specific facilities are identified. These upgrades may include main and emergency power sources, fixtures, fire alarm systems and devices, heating, ventilation, air-conditioning, and structural repairs or reinforcement.

**Justification:** This project will allow upgrades to the electrical systems in facilities with systems that are overloaded or no longer efficient. Due to increased usage of computers and other devices over the past ten years, many building's electrical or wiring systems that are outdated and at-capacity. Heating and air-conditioning units in older buildings are at the end of their useful life. Structural systems have become damaged or fatigued due to heavier equipment requirements or increased loading.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2006-2011
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24.
- **Board/Commission Review:** ARB

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt from CEQA under Sec 15301.
- **Design Elements:** Exterior changes are subject to ARB review.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000		\$100,000			\$200,000
Other						
<b>Total Budget Request</b>	<b>\$100,000</b>		<b>\$100,000</b>			<b>\$200,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# CHILDREN'S THEATRE IMPROVEMENTS (PF-09000)

**Description:** This project will replace or upgrade mechanical and electrical systems, and replace finishes as necessary. The systems will be designed to meet current code and user need, and to optimize operational and energy efficiency.

**Justification:** The elements included in this project are due for replacement or upgrade based on their age and/or condition. These improvements provide for ongoing rehabilitation of the building structure and systems to meet the needs of the theatre staff.

**Consultant Services Scope:** See Supplemental Information.

**Supplemental Information:** Consultant shall provide all necessary design services to evaluate existing systems and conditions, provide conceptual and final design, and produce construction documents. Consultant shall also provide construction administration services. Services shall include architectural, structural, mechanical and electrical engineering.

### CIP FACTS:

- **Continuing**
- **Timeline:** FY 2008-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24

### IMPACT ANALYSIS:

- **Environmental:** Project is categorically exempt under CEQA SEC.15301
- **Design Elements:** Exterior improvements will require ARB and HRB review.

### PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2004	\$0

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs			\$100,000			\$100,000
Construction Costs				\$500,000		\$500,000
Other						
<b>Total Budget Request</b>			\$100,000	\$500,000		\$600,000
Revenues:						
Source of Funds:	Infrastructure Reserve					

**NEW**



# CHILDREN'S THEATRE FIRE/LIFE SAFETY UPGRADES (PF-07003)

**Description:** This project will upgrade fire sprinkler system in the Children's Theatre. Improvements to the alarm system triggered by the sprinkler upgrades will also be included.

**Justification:** This project arises from the reduction in width and length of the access lane to the rear of the Children's Theatre as part of the Children's Library expansion. This work was not included in the library project as it would have caused further delay to that project.

**Consultant Services Scope:** See Supplemental Information

**Supplemental Information:** Consultant services shall include conceptual design, design development, construction documents, and construction administration. Consultant shall analyze existing systems, design renovations to meet current code and user need. Consultant services shall include structural engineering, architectural design, mechanical and electrical engineering.

**CIP FACTS:**

- **New**
- **Project Status:** Other
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24 and Program C-19

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt from CEQA under Sec 15301.
- **Design Elements:** Changes will be subject to HRB and ARB review.

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$250,000					\$250,000
Other						
<b>Total Budget Request</b>	<b>\$250,000</b>					<b>\$250,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



## CIVIC CENTER INFRASTRUCTURE IMPROVEMENTS (PF-01002)

**Description:** This project will upgrade the building systems within the Civic Center as per the Infrastructure Management Plan. The scope of the improvements includes electrical system upgrades, generator replacement, mechanical systems upgrades, and exterior sealing and painting. Mechanical and electrical systems serving the police wing have been excluded from this project. Pending a decision on a new police building, these may be added in a future phase. See Supplemental Information.

**Justification:** The Civic Center is 38 years old and houses City offices, the Police Station, and three levels of parking. Major electrical and mechanical systems are approaching the end of their useful lives and are in need of replacement in order to maintain uninterrupted service. Preventative maintenance of building exteriors, including window leak inspections, recaulking, and sealing, will prevent damage and more costly repairs later.

**Supplemental Information:** A complete building system study was completed in FY 2003. The elevator upgrade was completed in 2005. Design and bid of the next two years of construction will be complete in FY 2005-06.

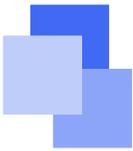
Due to the increased cost of construction (project was originally funded for \$2.6 Million), the remainder of the project will be phased over a five year period from FY 2005-06 through FY 2009-10. The project will be bid as three packages. Work included in bid package 1 is replacement of the main building generator, boiler, and upgrade of garage and building mechanical systems. In bid package 2, the ventilation units that serve the building and main electrical systems, including transformers, panels, etc., will be upgraded. In bid package 3, the remainder of the electrical, exterior painting and sealing, and miscellaneous mechanical will be upgraded. Timing of specific items may shift due to condition assessment and available funding.

### CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2005-2010
- **Percent Spent:** 41.79%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24 and Program C-19

### IMPACT ANALYSIS:

- **Environmental:** Project is categorically exempt from CEQA under Sec 15301.
- **Design Elements:** ARB review will be required for exterior improvements.
- **Operating:** This project will reduce maintenance costs in future years.



# CIVIC CENTER INFRASTRUCTURE IMPROVEMENTS (PF-01002)

*continued*

## PRIOR YEARS

PY Budget	\$5,006,249
PY Actuals as of 12/31/2005	\$2,092,004

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$1,617,247	\$1,928,367	\$1,871,785			\$5,417,399
Other						
Total Budget Request	\$1,617,247	\$1,928,367	\$1,871,785			\$5,417,399
Revenues:						
Source of Funds:	Infrastructure Reserve					



# CUBBERLEY COMMUNITY CENTER FIRE ALARM SYSTEM (PF-06003)

**Description:** This project will replace the campus fire alarm system. The components will be upgraded to comply with ADA requirements.

**Justification:** The existing fire alarm system is beyond its useful life, unreliable, and requires a great deal of maintenance. Equipment is not up to today's standards. The system will be replaced to meet all current code requirements.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2005-2007
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24 and C-32.

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt under CEQA Section 15301.

**PRIOR YEARS**

PY Budget	\$50,070
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$300,000					\$300,000
Other						
<b>Total Budget Request</b>	<b>\$300,000</b>					<b>\$300,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# CUBBERLEY MECHANICAL AND ELECTRICAL UPGRADES (PF-04010)

**Description:** This project replace original mechanical and electrical (M/E) systems at various locations at the Cubberley site. The new systems will be designed to meet current building codes, and user need, and to optimize operation and energy efficiency.

**Justification:** Many components of the mechanical and electrical systems at the Cubberley site are over 50 years old. They have reached the end of their useful lives and require replacement. Many of them are inefficient and inappropriately sized for the current facility. Radiant heat systems continue to deteriorate and will be replaced with above-floor systems.

## PRIOR YEARS

PY Budget	\$1,503,271
PY Actuals as of 12/31/2005	\$346,530

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs		\$100,000				\$100,000
Construction Costs			\$500,000	\$500,000		\$1,000,000
Other						
<b>Total Budget Request</b>		<b>\$100,000</b>	<b>\$500,000</b>	<b>\$500,000</b>		<b>\$1,100,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					

### CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2005-2011
- **Overall Project Completion:** 30%
- **Percent Spent:** 23.05%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24
- **Board/Commission Review:** ARB

### IMPACT ANALYSIS:

- **Environmental:** This project is categorically exempt under CEQA Sec 15301.
- **Design Elements:** Exterior improvements will require ARB review.



# CUBBERLEY RESTROOM UPGRADES (PF-06004)

**Description:** This project will retrofit six Cubberley Center bathrooms to meet user need and accessibility standards.

**Justification:** To increase and enhance water conservation and sanitary conditions that benefit the health of the public by facilitating more thorough maintenance of the bathrooms. In addition, this project may be done in collaboration with the Utilities Department for water conservation.

**Consultant Services Scope:** See Supplemental Information

**Supplemental Information:** Consultant services shall include architectural, structural, mechanical and electrical engineering as required for complete design and project oversight.

### CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2007-2008
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24.

### IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under CEQA Section 15301.

### PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$240,000				\$240,000
Other						
<b>Total Budget Request</b>		<b>\$240,000</b>				<b>\$240,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# CUBBERLEY WING I ELEVATOR UPGRADE (PF-07001)

**Description:** This project will provide general mechanical upgrades to the elevator and shaft per code and safety requirements. It will also upgrade per ADA requirements the cab and exterior call buttons as closely as possible given the physical constraints of the shaft size and other components of the structure.

**Justification:** These are Title 24 code and safety required upgrades.

**Consultant Services Scope:** See Supplemental Information

**Supplemental Information:** Consultant services shall include architectural, mechanical, electrical, structural and elevator design. Consultant shall provide full design and construction administration services.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2007-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, C-27

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt under CEQA Section 15301.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$250,000					\$250,000
Other						
<b>Total Budget Request</b>	<b>\$250,000</b>					<b>\$250,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# FACILITY INTERIOR FINISHES REPLACEMENT (PF-02022)

**Description:** This project allows for the replacement of worn interior finishes at various City facilities. Finishes include ceilings, paint, carpet or other floor finishes, as well as window coverings

**Justification:** As part of the Infrastructure Management Plan, interior finishes throughout City facilities are designated for replacement. Finishes are typically upgraded as other renovation projects are undertaken. For those facilities that will not be renovated for several years, this project provides the resources to accomplish that work.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2006-2011
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, Program C-19.

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt under CEQA Section 15301
- **Design Elements:** May require design review for historic structures.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Other						
<b>Total Budget Request</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$250,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# FOOTHILLS PARK INTERPRETIVE CENTER IMPROVEMENTS (PF-05003)

**Description:** This project provides replacement of the wood shake roof, repair or replacement of damaged siding, support post, and exterior surfaces, and replacement of the electrical service and panels. Alternative roofing materials will be evaluated and considered as replacement for the wood shake roof. The building will also be evaluated for structural integrity/improvements.

**Justification:** This rustic building was formerly a barn. It was converted into a Nature Center in 1968. Electrical panels were installed in 1968, and the roof was last re-roofed in 1982. The facility's age and use require the replacement of outdated service equipment and the restoration of weathered surfaces.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 30%
- **Percent Spent:** 6.09%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, Program C-19.
- **Board/Commission Review:** ARB

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt under CEQA Sec 15301.
- **Design Elements:** Exterior changes will be subject to ARB review.

**PRIOR YEARS**

PY Budget	\$120,140
PY Actuals as of 12/31/2005	\$7,313

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$210,000				\$210,000
Other						
<b>Total Budget Request</b>		<b>\$210,000</b>				<b>\$210,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# LIBRARY: COLLEGE TERRACE LIBRARY AND CHILD CARE CENTER IMPROVEMENTS (PE-05010)

**Description:** This project provides for seismic retrofit, electrical and mechanical building systems upgrades, painting, flooring, re-roofing, ADA compliance, dry rot repair, termite repair and/or fumigation, asbestos and lead paint removal and landscaping repairs at the College Terrace Library and Child Care Center.

**Justification:** The College Terrace Library was built in 1935 and is in need of numerous upgrades. For both safety and liability considerations, this project will ensure that the structural integrity of the library and child care center is maintained as well as addressing ADA deficiencies.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2007-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24 and Program C-19
- **Board/Commission Review:** ARB, HRB

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301.
- **Design Elements:** Interior finishes and renovation subject to HRB review
- **Operating:** Reduces cost of structural and systems maintenance.

PRIOR YEARS	
PY Budget	\$283,280
PY Actuals as of 12/31/2005	\$0

FUTURE FINANCIAL REQUIREMENTS						
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$300,000					\$300,000
Construction Costs			\$2,500,000			\$2,500,000
Other						
<b>Total Budget Request</b>	<b>\$300,000</b>		<b>\$2,500,000</b>			<b>\$2,800,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# LIBRARY: DOWNTOWN LIBRARY MECHANICAL AND ELECTRICAL UPGRADES (PF-09001)

**Description:** This project will provide replacement of original mechanical and electrical systems at the Downtown Library. Heating, air conditioning, and ventilation systems will be replaced, and electrical equipment will be upgraded as required. The systems will be designed to meet current code, and occupant need, and to optimize operational and energy efficiency.

**Justification:** The elements included in this project are due for replacement or upgrade based on their age and/or condition. These improvements provide for ongoing rehabilitation of the building structures and systems.

**Consultant Services Scope:** See Supplemental Information.

**Supplemental Information:** Consultant shall provide all necessary design services to evaluate and replace or upgrade existing systems at the Downtown Library. Services shall include architectural design, mechanical, electrical and structural engineering. Consultant shall provide conceptual design, final design, construction documents, and construction administration services.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2009-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24

**IMPACT ANALYSIS:**

- **Environmental:** This project is categorically exempt under CEQA Sec. 15301.
- **Design Elements:** Exterior changes shall be subject to ARB review.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs			\$75,000			\$75,000
Construction Costs				\$250,000		\$250,000
Other						
<b>Total Budget Request</b>			\$75,000	\$250,000		\$325,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



# LIBRARY: MAIN LIBRARY IMPROVEMENTS (PF-07010)

**Description:** This project allows for the replacement of mechanical and electrical systems, exterior painting, and interior finish upgrades at the Main Library.

**Justification:** Building mechanical and electrical systems have reached the end of their useful lives and require upgrade or replacement. Interior and exterior finishes will also be due for replacement.

**Consultant Services Scope:** See Supplemental Information.

**Supplemental Information:** Consultant shall provide all necessary design services including mechanical and architectural design. Consultant shall provide conceptual design, final design, construction documents and construction administration services.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2008-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, Program C-19

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt under CEQA Section 15301
- **Design Elements:** This project may require design review.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs		\$164,000				\$164,000
Construction Costs			\$909,000			\$909,000
Other						
<b>Total Budget Request</b>		<b>\$164,000</b>	<b>\$909,000</b>			<b>\$1,073,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# MUNICIPAL SERVICE CENTER RENOVATION (PF-05002)

**Description:** This project provides for the replacement of original mechanical and electrical systems and lighting installed in 1966 at buildings A, B, and C of the Municipal Service Center. Other renovation work included in this project are fire alarm upgrading and window resealing. This project will be coordinated with the review of Auto Mall project alternatives. Until a decision is made, only work required for code or safety compliance or protection of the facility will be accomplished.

**Justification:** Lighting, mechanical, and electrical equipment at the Municipal Service Center is outdated and inefficient. Various remodels have occurred in the administrative and shop areas with added load to the mechanical and electrical systems. The use of many spaces has changed over the years without adequate upgrades to the building systems. The systems no longer support the current operation at this site.

**Consultant Services Scope:** See Supplemental Information.

**Supplemental Information:** Consultant shall provide all necessary design services including architectural design, mechanical, electrical and structural engineering. Consultant shall also provide conceptual design, final design, construction documents and construction administration services.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2008-2009
- **Percent Spent:** 4.76%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, Program C-19.
- **Board/Commission Review:** ARB

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt under CEQA Section 15301.
- **Design Elements:** Exterior changes are subject to ARB review

**PRIOR YEARS**

PY Budget	\$106,062
PY Actuals as of 12/31/2005	\$5,044

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$366,000	\$575,000			\$941,000
Other						
<b>Total Budget Request</b>		<b>\$366,000</b>	<b>\$575,000</b>			<b>\$941,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# OPEN SPACE MAINTENANCE SHOP REHABILITATION (OS-07003)

**Description:** This project will install new exterior siding to the Foothills Park Maintenance Building, add rain gutters on both edges of the roof, add insulation and sheetrock to all of the interior shop walls, and add insulated overhead roll-down doors on the three bays that are uncovered. Insulated windows and doors will replace existing doors and windows. A new dust collection system and exhaust system will provide cleaner air for employee health and safety.

**Justification:** The Foothills Park Maintenance Building was constructed in 1968 and includes a large workshop, tool room, and supply storage area. It has not been improved since its construction in 1968 or repaired after a flood in 1983. It has an uninsulated plank board exterior that leaks. During the winter, the building is cold, drafty, and difficult to heat. Because there are no gutters, water runs down the exterior walls of the building and into the shop. Tools and equipment rust due to the moisture.

**Consultant Services Scope:** Project plans and specifications will be prepared by an engineering consultant for \$42,500.

**Supplemental Information:** This project was not included in the Infrastructure Management Plan (Adamson Study). The inclusion of this project will be accomplished with current staff resources and may delay or defer completion of other City Open Space improvement projects. This project supersedes planned projects as it will result in significant cost reductions, improve efficiency, increase the availability of storage space and improve air quality in the shop for employee safety.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2008
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Community Services
- **Comprehensive Plan:** Policy C-24.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA.
- **Design Elements:** Reasonable efforts will be made to match existing materials.
- **Operating:** This project will reduce heating costs and tool replacement.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$42,500					\$42,500
Construction Costs	\$207,500					\$207,500
Other						
<b>Total Budget Request</b>	<b>\$250,000</b>					<b>\$250,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					
Council Policy Direction:	Project is not in planned General Fund IMP and/or does not have an identified funding source.					



## PUBLIC SAFETY BUILDING (PE-98020)

**Description:** This project provides for completion of all preliminary design and EIR work for a Public Safety Building and associated parking garage. Design and environmental consultant services will be needed and will include development of preliminary plans, cost estimates and special studies as part of an EIR and site evaluation. The site and size of the facility is to be determined based on the recommendations of the Police Building Blue Ribbon Task Force and Council direction expected in Summer 2006.

**Justification:** Based on standard space guidelines and current codes, the Police Department facility is operationally and technologically deficient. City Council has directed staff to have a proposed Public Safety Building project ready for a potential bond election. An EIR and preliminary design work will need to be completed prior to the possible bond election.

**Supplemental Information:** At the March 6, 2006 City Council meeting, Council directed staff to have a Public Safety Building project ready for a public vote for potential general obligation bond financing.

### CIP FACTS:

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2008
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24 and Program C-19
- **Board/Commission Review:** ARB, PTC & Art Commission

### IMPACT ANALYSIS:

- **Environmental:** An EIR will be completed.
- **Design Elements:** Review by ARB
- **Operating:** TBD
- **Telecommunications:** TBD

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs	\$1,000,000					\$1,000,000
Design Costs						
Construction Costs						
Other						
<b>Total Budget Request</b>	<b>\$1,000,000</b>					<b>\$1,000,000</b>
Revenues:	\$1,000,000					\$1,000,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: General Fund(\$1,000,000)					
Council Policy Direction:	<ol style="list-style-type: none"> <li>1. Project is not in planned General Fund IMP and/or does not have identified funding source.</li> <li>2. Project will probably require an Environmental Impact Review.</li> <li>3. Project may require voter and/or property owner approval.</li> <li>4. This project is a Council top three priority.</li> </ol>					



# ROOFING REPLACEMENT (PF-00006)

**Description:** This project provides for ongoing roofing maintenance at various City facilities including major repairs, replacement, roof deck, and sheet metal repair or replacement. Facilities scheduled for re-roofing in FY 2006-07 are Jr. Museum, Mitchell Pk Field House/Restroom, Rinconada Restroom, and Cubberley Bldg M flat roof.

**Justification:** The life expectancy of most roofs at City facilities is 20 to 25 years. There are facilities in the inventory with roof systems that are at or near their life expectancy. This project provides the means to re-roof facilities that are failing or will soon fail.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2006-2011
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, Program C-19.

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt under CEQA Section 15301.
- **Design Elements:** ARB and/or HRB review may be required.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2004	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$150,000	\$100,000	\$100,000		\$100,000	\$450,000
Other						
<b>Total Budget Request</b>	<b>\$150,000</b>	<b>\$100,000</b>	<b>\$100,000</b>		<b>\$100,000</b>	<b>\$450,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



## SAN ANTONIO BRIDGE STRUCTURAL REPAIRS AND MAINTENANCE (PE-06001)

**Description:** The San Antonio Road overpass, located at San Antonio Road/Alma Boulevard, consists of a seven- span concrete slab with attached ramps. A Caltrans bridge inspection report dated February 5, 2003 recommended work to repair approach slab cracking, damaged joint headers/curbs and deteriorated joint seals. Other deficiencies such as cracking of sidewalks and medians likely exist and would be identified as part of the design process and detailed for repair as needed.

**Justification:** Maintenance of the San Antonio overpass is the joint responsibility of the cities of Mountain View and Palo Alto. Per the maintenance agreement, the City of Mountain View has taken the lead on the structural repairs and has obtained the services of a structural design firm. Since approximately one-third of the structure is within Palo Alto city limits, the City of Palo Alto is responsible for matching one-third of the design and construction costs for the repairs.

**Supplemental Information:** A follow-up bridge inspection by Caltrans in May of 2005 identified additional deficiencies. Due to the age of the overpass and the extent of the needed repairs, that portion of the overpass previously planned for maintenance work is now eligible for replacement. The City of Mountain View has applied for Federal Highway Bridge Rehabilitation and Replacement (HBRR) funding. The goal of the HBRR program is to replace or rehabilitate structurally deficient and/or functionally obsolete bridges. If selected, the Federal government would pay 80 percent of the costs, with the local agencies paying the remaining 20 percent matching fund. The City of Palo Alto is responsible for one-third of the 20 percent matching funds

### CIP FACTS:

- **Continuing**
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy T-24

### IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under CEQA Section 153001.



## SAN ANTONIO BRIDGE STRUCTURAL REPAIRS AND MAINTENANCE (PE-06001)

### PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$7,000					\$7,000
Construction Costs	\$43,000					\$43,000
Other						
<b>Total Budget Request</b>	<b>\$50,000</b>					<b>\$50,000</b>
Revenues:	\$50,000					\$50,000
Source of Funds:	Capital Project Fund with the following reimbursements: General Fund(\$50,000)					
Council Policy Direction:	This project is not in planned General Fund IMP and/or does not have an identified funding source.					



# TED THOMPSON GARAGE IMPROVEMENTS (PF-06001)

**Description:** This project provides for the maintenance of building finishes including interior paint and repair of veneer brick damaged by cars and other wear.

**Justification:** The building was constructed in 1994 and needs a variety of minor maintenance to preserve its appearance, in accordance with the City's standard.

**Supplemental Information:** 100% reimbursement is expected from California Avenue Assessment District Parking Permit Fees.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2009-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, Program C-19

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt under CEQA Section 15301
- **Design Elements:** Exterior modifications may require ARB review.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs				\$67,000		\$67,000
Other						
<b>Total Budget Request</b>				<b>\$67,000</b>		<b>\$67,000</b>
Revenues:				\$67,000		\$67,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Others(\$67,000)					



# VENTURA BUILDINGS IMPROVEMENTS (PF-06002)

**Description:** This project will replace/upgrade mechanical and electrical systems, and will provide ADA improvements to this facility. Radiant heat systems will be replaced with above-floor systems. Project may be delayed due to school district decision on middle schools and intergenerational facility.

**Justification:** Mechanical and electrical systems are original and have reached the end of their useful lives. These need to be replaced for more reliable and energy efficient systems that meet current code requirements and user needs.

**Consultant Services Scope:** See Supplemental Information.

**Supplemental Information:** Consultant shall provide complete design services to upgrade the mechanical and electrical systems at this facility. Services shall include architectural design, and mechanical, electrical, and structural engineering services as required. Consultant shall evaluate building systems, and provide conceptual and final design, construction documents, and construction administration services.

## CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2008-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, C-27

## IMPACT ANALYSIS:

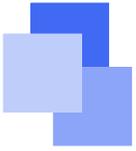
- **Environmental:** Project is categorically exempt under CEQA Section 15301.
- **Design Elements:** Exterior modifications may require ARB review

### PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs		\$90,000				\$90,000
Construction Costs			\$600,000			\$600,000
Other						
<b>Total Budget Request</b>		<b>\$90,000</b>	<b>\$600,000</b>			<b>\$690,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



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# Streets and Sidewalks





# BICYCLE BOULEVARDS IMPLEMENTATION PROJECT (PL-04010)

**Description:** This project funds the design and construction of physical changes to local and collector streets implementing the network of bicycle boulevards identified as high-priority projects in the Bicycle Transportation Plan. These eight bike boulevards are: El Camino Way/Maybell/Donald Drive; Homer Avenue; Matadero Avenue/Margarita Avenue; Castilleja/Park Boulevard/Wilkie Way; Everett Avenue/Palo Alto Avenue; Chaucer/Boyce/Melville and the extension of the Bryant Street bicycle boulevard.

**Justification:** The bicycle boulevard network is identified as a high priority in the Transportation Strategic Plan and Bicycle Transportation Plan. Bicycle boulevards provide safer, traffic-calmed biking routes with reduced conflicts with motor vehicles, as alternatives to more congested arterial streets. Bicycle boulevards are designed to serve the needs of cyclists of all abilities, but the network has been designed with particular attention to improving bike safety along school commute routes.

**Supplemental Information:** Revenue from local agency represents grant from the State Transportation Development Act (TDA) of \$75,000.

**CIP FACTS:**

- **Continuing**
  - **Project Status:** Construction
  - **Timeline:** FY 2004-2010
  - **Overall Project Completion:** 10%
  - **Percent Spent:** 0.00%
  - **Managing Department:** Planning and Community Environment
  - **Comprehensive Plan:** Program T-22.
- IMPACT ANALYSIS:**
- **Environmental:** An environmental assessment may be required.
  - **Operating:** Minor ongoing maintenance will be required.

**PRIOR YEARS**

PY Budget	\$150,000
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$50,000	\$50,000	\$50,000	\$50,000	\$200,000
Other						
<b>Total Budget Request</b>		<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$200,000</b>
Revenues:		\$50,000	\$25,000			\$75,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Local Agency Grant(\$75,000)					
Council Policy Direction:	This project is not in planned General Fund IMP and/or does not have an identified funding source.					



# SIDEWALK REPAIRS (PO-89003)

**Description:** This project will alleviate the existing backlog in the sidewalk repair program, targeting districts with the highest quantity of sidewalk damage. As identified in the Infrastructure Management Plan, FY 2006-07 sidewalk replacement will be completed in District 11 and work will begin in District 12, which is bounded by West Bayshore Road, Matadero Creek, Middlefield Road and the north side of Adobe Creek.

**Justification:** This project provides an annual rehabilitation program that will alleviate the backlog of sidewalk repairs and enhance pedestrian safety and comfort. Better sidewalk conditions result in reduced potential for sidewalk-related injuries.

**Supplemental Information:** City in-house crews will perform "hot spot" sidewalk replacement throughout all areas of the City, as well as curb and gutter repair. Backlog of sidewalk replacement is estimated to be complete in 2015. \$50,000 will continue to be allocated for high-pedestrian-use areas.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2006-2007
- **Managing Department:** Public Works
- **Comprehensive Plan:** Programs C-21 and C-27

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301.
- **Design Elements:** City arborist will be consulted for tree root protection.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$1,184,576	\$972,053	\$1,870,000	\$1,870,000	\$1,870,000	\$7,766,629
Other	\$871,794	\$897,947				\$1,769,741
<b>Total Budget Request</b>	<b>\$2,056,370</b>	<b>\$1,870,000</b>	<b>\$1,870,000</b>	<b>\$1,870,000</b>	<b>\$1,870,000</b>	<b>\$9,536,370</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# STREET MAINTENANCE (PE-86070)

**Description:** This project provides for annual resurfacing, slurry seal, crack seal and reconstruction of various city streets. The list of streets to be included in this project will be prioritized and coordinated with Utilities Department undergrounding projects.

**Justification:** The Pavement Maintenance Management System (PMMS) has identified streets requiring maintenance. This program systematically schedules the highest priority repairs. By providing a systemized method of bi-annually rating streets for improvements and a yearly maintenance program, the City addresses the need to provide a functioning street system while reducing the maintenance backlog.

**Supplemental Information:** The City received federal grants of \$788,000 to resurface Embarcadero Road - from Emerson to Middlefield, University Avenue - from the east City limit to Chaucer, and a segment of Page Mill Road. The work will be included in the annual summer 2006 project, Phase 2.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2006-2011
- **Managing Department:** Public Works
- **Comprehensive Plan:** Program C-20
- **Board/Commission Review:** None

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301.
- **Design Elements:** Reasonable efforts will be made to match existing pavement.
- **Operating:** Reduces street maintenance costs.

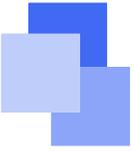
In fiscal year 2006-07, the budget includes purchase of a milling machine and transport trailer with an estimated cost of \$75,000.

**PRIOR YEARS**

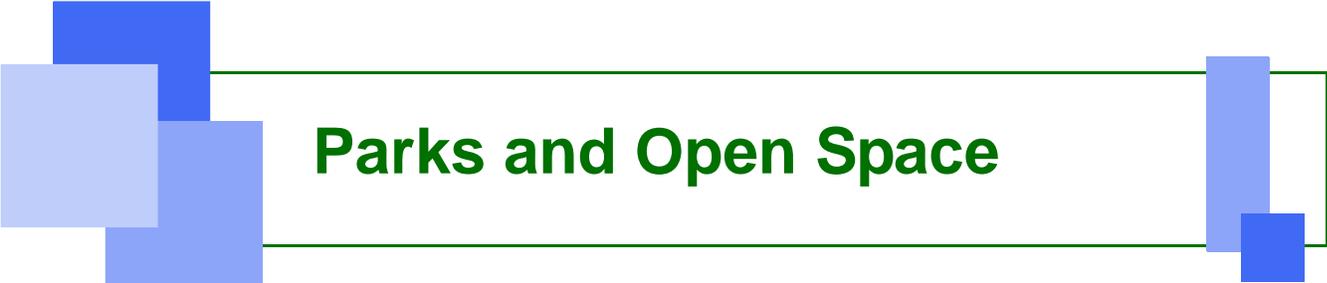
PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Construction Costs	\$2,683,000	\$1,895,000	\$1,895,000	\$1,895,000	\$1,895,000	\$10,263,000
Other						
<b>Total Budget Request</b>	<b>\$2,733,000</b>	<b>\$1,945,000</b>	<b>\$1,945,000</b>	<b>\$1,945,000</b>	<b>\$1,945,000</b>	<b>\$10,513,000</b>
Revenues:	\$1,858,000	\$1,070,000	\$1,070,000	\$1,070,000	\$1,070,000	\$6,138,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Federal Grant(\$788,000); Street Improvement Fund(\$5,350,000)					



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**Parks and Open Space**





# ALMA STREET LANDSCAPE IMPROVEMENTS (PE-06006)

**Description:** The project implements street tree and landscape improvements on Alma Street from Charleston to San Antonio Road. The project provides for renovation of landscape planters and islands by repairing or installing irrigation systems, replacing meters and backflow devices, and replacing planters as necessary. The project is being implemented in two phases: Phase I - Ely to San Antonio in FY 2005-06 and Phase II - Charleston to Ferne in FY 2009-10.

**Justification:** Alma Street's public sidewalk strip landscaping needs improvement. The irrigation systems are broken and no longer able to be maintained. The plant material is in poor condition and not suited for full sun exposure. Additionally, the provision of adequate landscaping and irrigation will reduce siltation and runoff and improve the streetscape appearance.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2009-2010
- **Overall Project Completion:** 10%
- **Percent Spent:** 1.50%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-25,N-17,N-19,T-41,T-42 and Program C-19
- **Board/Commission Review:** ARB, Arts Commission

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301
- **Design Elements:** Public Art Commission and ARB may be required for gateways
- **Operating:** Increase ongoing maintenance costs estimated \$4,000 per acre

**PRIOR YEARS**

PY Budget	\$158,375
PY Actuals as of 12/31/2005	\$2,380

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs				\$156,000		\$156,000
Other						
<b>Total Budget Request</b>				<b>\$156,000</b>		<b>\$156,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					

# NEW



## BAYLANDS ATHLETIC CENTER FENCING, DUGOUT AND TRAILHEAD PARKING RENOVATIONS (PE-07009)

**Description:** The Baylands Athletic Center complex is one of very few in the Bay Area devoted exclusively to baseball and softball. This project will replace the existing fencing and renovate the baseball dugouts in FY 2007-08. In addition the parking lot will be resurfaced in FY 2008-09.

**Justification:** The center's fencing is in need of replacement, and the dugouts are in need of an repair. Both have not been replaced since the park's origin. The parking lot which provide parking both for the heavily used athletic center and the International School, is in disrepair.

**Supplemental Information:** Grant funding - 50/50 share for parking lot renovations at Baylands Trailhead. The parking lot is estimated to cost \$330,000.

This project was not included in the Infrastructure Management Plan (Adamson Study). The inclusion of this project will be accomplished with current staff resources and may delay or defer completion of other City Parks Improvement Projects. This project supersedes planned projects as it will result in reducing safety issues due to standing water in the parking lot at times when the Baylands Trail Head is heavily utilized.

### CIP FACTS:

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2007-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, C-26, and Program C-19

### IMPACT ANALYSIS:

- **Environmental:** Mitigated Negative Declaration adopted on September 15, 2004

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$200,000	\$330,000			\$530,000
Other						
<b>Total Budget Request</b>		<b>\$200,000</b>	<b>\$330,000</b>			<b>\$530,000</b>
Revenues:			\$165,000			\$165,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: State Grant(\$165,000)					
Council Policy Direction:	Project is not in planned General Fund IMP and/or does not have an identified funding source.					



# BENCHES, SIGNAGE, FENCING, WALKWAYS, AND PERIMETER LANDSCAPING (PG-06003)

**Description:** This project will restore and replace existing benches, signage, fencing, walkways, and landscaping at various City facilities.

**Justification:** The amenities at these various sites are due for replacement or upgrade based on their age and/or condition as identified in the 1996 Infrastructure Management Plan.

**Supplemental Information:** Replacement schedule is as follows:

2006-07 - Replacement of signage -Main Library, Mitchell Park Community Center, Mitchell Park Library, Downtown Library, College Terrace Library. Bench and site furniture replacement at various facilities.

2009-10 - Lucie Stern Community Center fencing, Lucie Stern Community Center perimeter landscaping, Fire Stations 1-5 fencing, Fire Stations 1-5 perimeter landscaping.

2010-11 - Art Center perimeter landscaping, Art Center fencing.

**CIP FACTS:**

- **Continuing**
  - **Project Status:** Other
  - **Timeline:** FY 2006-2011
  - **Overall Project Completion:** 0%
  - **Percent Spent:** 0.00%
  - **Managing Department:** Community Services
  - **Comprehensive Plan:** Policy C24
- IMPACT ANALYSIS:**
- **Environmental:** Exempt under section 15301 of CEQA
  - **Design Elements:** NA
  - **Operating:** Reduces future extensive maintenance costs.
  - **Telecommunications:** NA

**PRIOR YEARS**

PY Budget	\$50,000
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$50,000			\$200,000	\$238,000	\$488,000
Other						
<b>Total Budget Request</b>	<b>\$50,000</b>			<b>\$200,000</b>	<b>\$238,000</b>	<b>\$488,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# BOULWARE PARK IMPROVEMENTS (PE-07006)

**Description:** This project will upgrade and renovate playground and picnic areas and replace pathways, irrigation, fencing, barbecues, benches, arbors and signage at Boulware Park. (IMP funding focuses on repairing existing infrastructure as identified in the Adamson Report, and does not entail full-scale/unlimited park renovations)

**Justification:** This project will enhance the safety, quality and condition of Boulware Park, as well as address accessibility needs of the disabled.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policies C-24, C-26, C32 and Program C-19

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301
- **Design Elements:** Utility Dept. review of Landscape Water Efficiency Standards
- **Operating:** Increases cost of structural and systems maintenance.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$60,000					\$60,000
Construction Costs	\$211,000					\$211,000
Other						
<b>Total Budget Request</b>	<b>\$271,000</b>					<b>\$271,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# CALIFORNIA AVENUE IMPROVEMENTS (PE-07005)

**Description:** This project funds the City share for potential improvements in the California Avenue business district. The California Avenue Development Association (CAADA) is currently prioritizing a master plan that includes landscaping, street tree replacement, sidewalk improvements and other amenities to revitalize the shopping area on California Avenue and will work with City staff to develop cost estimates for the proposed improvements.

**Justification:** It is the goal of CAADA to re-invigorate the California Avenue shopping/business district by upgrading and improving the streetscape to ensure a pleasant and safe experience to patrons.

**Supplemental Information:** City Council funding in the amount of up to \$50,000 for this project is subject to receipt of a Master Improvement Plan for California Ave. from CAADA. This project is dependent upon 100% outside funding

This project was not included in the Infrastructure Management Plan (Adamson Study). The inclusion of this project will be accomplished with current staff resources and may delay or defer completion of other City Parks Improvement Projects. This project supersedes planned projects because of Council direction, economic impacts and operational efficiencies.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, C-72.
- **Board/Commission Review:** ARB, Art Commission

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301
- **Operating:** Reduces cost of structural and systems maintenance.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$50,000					\$50,000
Other						
<b>Total Budget Request</b>	<b>\$50,000</b>					<b>\$50,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					
Council Policy Direction:	This project is not in planned General Fund IMP and/or does not have an identified funding source.					



## CITY PARKS IMPROVEMENTS (PE-06010)

**Description:** This project upgrades and/or renovates playground and picnic areas, athletic fields, park benches, bleachers, fencing for softball and soccer fields, irrigation systems, and signs in City parks. This project also provides for lighting, repair, and improvements in parks; and sign and pathway repairs at community centers, libraries and fire stations. (IMP funding focuses on repairing existing infrastructure as identified in the Adamson Report, and does not entail full-scale/unlimited park renovati

**Justification:** This project will address safety issues, conditions at City parks and facilities, and legal and governmental mandates. Playground and picnic areas are old and do not meet the accessibility needs of the disabled. Additionally, lighting does not exist in most parks and where it does, fixtures are old and replacement parts are not available. Park and other facility pathways are in need of repair due to their age and condition. Signage and fences may also need repair.

**Supplemental Information:** This project will be used in budget planning. Once individual projects are developed and funding identified, projects will be brought to Council on an individual basis with detailed scopes of work.

The projects are tentatively scheduled as follows:

FY 2007-08 - Peers and El Camino Parks (El Camino Park project and funding will be coordinated with Utilities as the park has been identified as a potential site for underground water storage)

FY 2008-09 - Greer Park

FY 2009-10 - Ventura and Terman

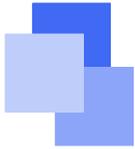
FY 2010-11 - Monroe Park, Wallis Park and Lytton Plaza

### CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2007-2011
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24,C-26,C-32 and Program C-19.
- **Board/Commission Review:** ARB,PTC,Art & Parks Comms

### IMPACT ANALYSIS:

- **Environmental:** Categorically exempt from CEQA under Section 15301
- **Design Elements:** May require, ARB, PTC or Public Arts Commission review
- **Operating:** Will result in increased maintenance TBD



# CITY PARKS IMPROVEMENTS (PE-06010)

*continued*

## PRIOR YEARS

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$750,000	\$600,000	\$550,000	\$270,000	\$2,170,000
Other						
<b>Total Budget Request</b>		<b>\$750,000</b>	<b>\$600,000</b>	<b>\$550,000</b>	<b>\$270,000</b>	<b>\$2,170,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# COGSWELL PLAZA IMPROVEMENTS (PE-07004)

**Description:** This project will provide needed upgrades and renovations to pathways, benches, irrigation and landscaping at Cogswell Plaza. (IMP funding focuses on repairing existing infrastructure as identified in the Adamson Report, and does not entail full-scale/unlimited park renovations)

**Justification:** This park was identified in the 1996 Infrastructure Management Plan for replacement of general park infrastructure items. The area is adjacent to Avenidas and is utilized by downtown retail shoppers and residents. The pathways are in need of repair due to their age and condition. The path repairs also will address accessibility needs. The irrigation renovation will be incorporated into the City's centralized irrigation control system and is expected to save 15% - 25% in water usage.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2010-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, C-26, C32 and Program C-19

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301.
- **Design Elements:** Utility Dept. review of Landscape Water Efficiency Standards
- **Operating:** Reduces cost of structural and systems maintenance.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs					\$130,000	\$130,000
Other						
<b>Total Budget Request</b>					<b>\$130,000</b>	<b>\$130,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# CUBBERLEY TURF RENOVATION (PE-07007)

**Description:** This project will install Sports Turf (artificial turf) on the Cubberley Football field.

**Justification:** The Cubberley football field is used extensively for soccer, football, and other field sports. This project will reduce annual field maintenance and, water costs, and increase both the diversity of use and utilization of the field. This field area was identified as a high priority of the Palo Alto Field Advisory Committee report and subsequent Park and Recreation Commission sub-committee recommendations.

**Supplemental Information:** This project is unfunded and represents a placeholder as it is dependent upon 100% non-general fund funding (i.e. grants, impact fees, and/or a public private partnership). Staff will work with the above sources to secure funding in 2006-07 for project implementation in 2007-08.

This project was not included in the Infrastructure Management Plan (Adamson Study). The inclusion of this project will be accomplished with current staff resources and may delay or defer completion of other City Parks Improvement Projects. This project supersedes planned projects as it will result in significant cost reductions, improve efficiency, increase the availability of field space inventory and improve athletic field safety.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2008
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24,C-25,C-26 and Program C-19.

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under CEQA Section 15301
- **Operating:** Reduces ongoing maintenance and renovation costs

### PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$750,000				\$750,000
Other						
<b>Total Budget Request</b>		<b>\$750,000</b>				<b>\$750,000</b>
Revenues:		\$750,000				\$750,000
Source of Funds:	Capital Project Fund with the following reimbursements: Others(\$750,000)					
Council Policy Direction:	This project is not in planned General Fund IMP and/or does not have an identified funding source.					



# FOOTHILLS PARK INTERPRETIVE CENTER AND OPEN SPACE MAINTENANCE YARD PARKING LOTS (OS-07002)

**Description:** This project would re-grade the existing gravel base of the lots, add and compact gravel in low areas, and stabilize the surface. The current parking configuration will stay the same and no additional spaces will be provided. However, with the addition of soil stabilizers, the Foothills Park Interpretive Center lot will be striped, and handicapped parking spaces will be designated. This will better control and organize parking. The interpretive center parking lot was included in the IMP study.

**Justification:** The Foothills Park Interpretive Center parking lot is compacted gravel that has not been resurfaced since the Interpretive Center was built in 1964. The maintenance yard lot is compacted gravel that has not been improved since its construction in 1968 or repaired after a flood in 1983. Each lot has potholes and needs drainage improvement. ADA guidelines require the addition of a designated van-accessible parking space in the Interpretive Center parking lot.

**Consultant Services Scope:** Excavation and grade specifications will be prepared by an engineering consultant for \$40,000.

**Supplemental Information:** Both the Open Space Maintenance Yard and Interpretive Center parking lots will be reconstructed with pervious surface materials.

The Open Space Maintenance Yard was inadvertently omitted from the Adamson Study. The work proposed is consistent with other Adamson recommendations for Foothills Park parking lot infrastructure.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Community Services
- **Comprehensive Plan:** Policy C-26 and Program C-19.

## IMPACT ANALYSIS:

- **Environmental:** This project is categorically exempt from CEQA.
- **Design Elements:** Parking lot surface color and texture to match existing.
- **Operating:** \$500 annual restriping cost for the Interpretive Center lot.
- **Telecommunications:** None.

## PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$40,000					\$40,000
Construction Costs	\$227,000					\$227,000
Other						
<b>Total Budget Request</b>	<b>\$267,000</b>					<b>\$267,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					

**NEW**



# FOOTHILLS PARK ROAD IMPROVEMENTS (OS-07000)

**Description:** This project restores asphalt roads and roadside parking areas within Foothills Park. Disintegrated asphalt will be removed and replaced, base failures repaired, and road surfaces will be slurry sealed.

**Justification:** The Foothills Park roads were constructed in 1964 when the park was opened. Roads have only been patched in small areas. The asphalt is badly degraded and causes driving hazards.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Community Services
- **Comprehensive Plan:** Policy C-26, Program C-19.

**IMPACT ANALYSIS:**

- **Environmental:** This project is categorically exempt from CEQA.
- **Design Elements:** Replacement in kind does not require review.
- **Operating:** Road maintenance included in operating budget.

FUTURE FINANCIAL REQUIREMENTS						
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$625,000
Other						
<b>Total Budget Request</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$625,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# HOOVER PARK IMPROVEMENTS (PE-07002)

**Description:** This project will implement pathway improvements to correct safety issues and accessibility issues at Hoover Park. Overall park renovations identified by the 1996 Infrastructure Management Plan include new irrigation, park furniture, landscaping, and drainage and turf renovations. IMP funding focuses on repairing existing infrastructure as identified in the Adamson Report, and does not entail full-scale/unlimited park renovations.

**Justification:** This project will enhance the quality and condition of Hoover Park. Pathways are in need of repair due to their age and condition. Picnic areas are old and are not accessible to persons with disabilities. The water meter services to the irrigation system are undersized and need to be upsized.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, C-26, C32 and Program C-19

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301.
- **Operating:** Reduces cost of structural and systems maintenance.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$745,000					\$745,000
Other						
<b>Total Budget Request</b>	<b>\$745,000</b>					<b>\$745,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# HOPKINS PARK IMPROVEMENT (PE-07001)

**Description:** This project will upgrade/renovate two mini parks on Palo Alto Ave. along San Francisquito Creek, and the gateway area at the intersection of Palo Alto Ave. and Middlefield Rd. These parks have outdated galvanized irrigation systems, and park amenities are in need of improvement. The mini parks do not provide accessibility for the disabled. (IMP funding focuses on repairing existing infrastructure as identified in the Adamson Report, and does not entail full-scale/unlimited park renovations)

**Justification:** This project will enhance the quality and condition of Hopkins Park and address accessibility needs with sidewalk ramping and pathway repairs. It will also provide an opportunity to upgrade the gateway entrance.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2010-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24,C-26, C-32 and Program C-19.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301.
- **Design Elements:** Utility Dept. review of Landscape Water Efficiency Standards
- **Operating:** Reduces cost of structural and systems maintenance.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs					\$67,000	\$67,000
Other						
<b>Total Budget Request</b>					<b>\$67,000</b>	<b>\$67,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# OPEN SPACE LAKES AND PONDS MAINTENANCE (OS-00002)

**Description:** This project rehabilitates lakes and ponds in open space nature preserves to protect wildlife habitat and recreational safety and to meet State Division of Safety of Dams requirements. Work at Boronda Lake at Foothills Park consists of the annual harvesting of non-native pond weeds and cattails. Work at the Baylands Duck Pond maintains the aerator for water quality.

**Justification:** Pond weeds and cattails must be regularly removed from Boronda Lake to prevent non-native plants from displacing native plants that are essential to the survival of fish and foraging animals, and to provide access for recreational fishing and boating safety. The State Division of Safety of Dams mandates cattail removal to maintain the Boronda Dam. The Baylands Duck Pond aeration system maintains water quality for wildlife.

**CIP FACTS:**

- **Continuing**
  - **Project Status:** Construction
  - **Timeline:** FY 2000-2010
  - **Overall Project Completion:** 80%
  - **Percent Spent:** 78.55%
  - **Managing Department:** Community Services
  - **Comprehensive Plan:** Policy N-1
- IMPACT ANALYSIS:**
- **Environmental:** Categorically exempt from CEQA under Section 15301.
  - **Design Elements:** None.
  - **Operating:** None.
  - **Telecommunications:** None.

**PRIOR YEARS**

PY Budget	\$190,000
PY Actuals as of 12/31/2005	\$149,248

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$45,000		\$45,000		\$90,000
Other						
<b>Total Budget Request</b>		<b>\$45,000</b>		<b>\$45,000</b>		<b>\$90,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# OPEN SPACE TRAILS AND AMENITIES (OS-00001)

**Description:** This project restores trails, fences, picnic areas, and campgrounds in Foothills Park, the Baylands, and the Pearson-Arastradero Nature Preserves to insure that facilities are safe, accessible, and maintained for recreational uses. This project also provides habitat protection by controlling where park users may hike, bike, and assemble. These restoration projects are consistent with the Arastradero Preserve Trails Management Plan and the Foothills Park Trails Maintenance Plan.

**Justification:** Open Space trails require ongoing repair of natural erosion, storm damage, and control of aggressive plants, such as thistle and poison oak. Improvements to the trails within Pearson-Arastradero Preserve move trails away from environmentally sensitive areas and correct steeply sloped trails, thereby reducing erosion and providing better access to park users with disabilities. Benches, tables, footbridges and fences, which are at the end of their expected life, will systematically be replaced

**Supplemental Information:** Staff continues to aggressively pursue grant funding opportunities for trail and open space amenity improvements. In the past four years \$435,000 from grant programs augmented the City's contribution to trails improvements.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2000-2010
- **Overall Project Completion:** 90%
- **Percent Spent:** 90.63%
- **Managing Department:** Community Services
- **Comprehensive Plan:** Furthers Policy N-1 of the Comprehensive Plan.

**IMPACT ANALYSIS:**

- **Environmental:** This project is categorically exempt from CEQA.
- **Design Elements:** Replacement in kind does not require review.
- **Operating:** Tread improvement reduces soil erosion; improves access.

**PRIOR YEARS**

PY Budget	\$1,149,006
PY Actuals as of 12/31/2005	\$1,041,345

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$142,000	\$116,000	\$116,000	\$116,000	\$116,000	\$606,000
Other						
<b>Total Budget Request</b>	<b>\$142,000</b>	<b>\$116,000</b>	<b>\$116,000</b>	<b>\$116,000</b>	<b>\$116,000</b>	<b>\$606,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# RAMOS PARK IMPROVEMENTS (PE-07003)

**Description:** This project will upgrade and renovate playground and picnic areas, replace pathways, irrigation, fencing, picnic benches, barbeques, benches and signage at Ramos Park. IMP funding focuses on repairing existing infrastructure as identified in the Adamson Report, and does not entail full-scale/unlimited park renovations.

**Justification:** This project will enhance the safety, quality and condition of Ramos Park and provide accessibility improvements for the disabled. The picnic and playground areas are in need of renovation and are not accessible to persons with disabilities.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24, C-26, C32 and Program C-19.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301.
- **Operating:** Reduces cost of structural and systems maintenance.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$556,000					\$556,000
Other						
<b>Total Budget Request</b>	<b>\$556,000</b>					<b>\$556,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# RINCONADA PARK IMPROVEMENTS (PE-08001)

**Description:** This project will provide upgrades and renovations for safety and lighting improvements at Rinconada Park. (IMP funding focuses on repairing existing infrastructure as identified in the Adamson Report, and does not entail full-scale/unlimited park renovations)

**Justification:** The current asphalt pathways are aged and in need of repair due to uplifting from tree roots. Roughly 25 percent of the pathways are in need of replacement or crack sealing repairs. The improvements will also provide accessibility for the disabled.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2008-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24,C-26, C-32 Program C-19.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301
- **Operating:** Reduces cost of structural and systems maintenance

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs			\$300,000			\$300,000
Other						
<b>Total Budget Request</b>			<b>\$300,000</b>			<b>\$300,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# SAN ANTONIO MEDIANS (PE-00104)

**Description:** This project will renovate medians on San Antonio Road by replacing the median, trees, irrigation systems, meters and landscaping as necessary. The project will be phased in order to minimize disruption on San Antonio Road. Phase I in FY 2005-06 and Phase II in FY 2006-07 will address the medians on San Antonio between Middlefield Rd. and Alma St.

**Justification:** Medians are designed to regulate traffic, provide attractive landscape, buffer surrounding residents and provide welcoming gateways along San Antonio Road. The medians have fallen into disrepair and are creating road damage as a result of Stone Pine tree root growth, weather, and age. The provision of renovated landscaping and irrigation will also reduce siltation and water runoff to the street.

**Supplemental Information:** Consultants will develop a conceptual design for tree and landscape median replacement along San Antonio Road from the 101 interchange to Alma Street. The design will include site, landscape and irrigation plans, preparation of an environmental assessment, and relevant technical studies in compliance with the California Environmental Quality Act. Trees to be removed, as well as visual and other impacts will be identified as part of the environmental assessment process. Community meetings and a mitigated negative declaration are anticipated for this project. The project's preliminary, final design and construction will be completed in phases and continue for several years in coordination with the annual street maintenance project.

## CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2005-2007
- **Overall Project Completion:** 20%
- **Percent Spent:** 2.95%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-25,N-17,N-19,T-41,T-42 and Program T-47
- **Board/Commission Review:** ARB, Art Commission

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt from CEQA under Section 15301
- **Design Elements:** Public Art Commission and ARB may be required for gateways
- **Operating:** Increased ongoing maintenance costs estimated \$4000 per acre
- **Telecommunications:** Small initial cost for installation of telephone line(s)

## PRIOR YEARS

PY Budget	\$674,224
PY Actuals as of 12/31/2005	\$19,870

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$355,000					\$355,000
Other						
<b>Total Budget Request</b>	<b>\$355,000</b>					<b>\$355,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# SCHOOL PLAYING FIELD IRRIGATION (PG-98001)

**Description:** This project replaces old irrigation systems on school sites, installs drainage improvements, and implements athletic field renovations. In addition, installation of satellite computer control systems to connect to the Parks Division central irrigation management software (CIM) program as well as replacement of water meters and backflow devices will be accomplished.

**Justification:** This project is part of the Cooperative Maintenance Agreement between the City and the Palo Alto Unified School District (PAUSD). As an infrastructure enhancement, it improves the safety and quality of turf areas used for athletic fields school sites and will create operating efficiencies. Irrigation improvements will allow for centralizing irrigation management and reducing staff time needed to manually adjust controllers and inspect for irrigation problems.

**Supplemental Information:** Work schedule are as follows:

- 2006-07 - Briones, Nixon (design)
- 2008-09 - Nixon
- 2009-10 - Ohlone & Addison

These projects are 50% reimbursed by PAUSD.

### CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2005-2011
- **Overall Project Completion:** 70%
- **Percent Spent:** 87.01%
- **Managing Department:** Community Services
- **Comprehensive Plan:** Policy C-24 and Program C-19

### IMPACT ANALYSIS:

- **Environmental:** This project is exempt under section 15301 of CEQA minor cha
- **Design Elements:** Irrigation consultant design services
- **Operating:** Reduced water cost and maintenance
- **Telecommunications:** Telephone lines for computer connection

### PRIOR YEARS

PY Budget	\$843,500
PY Actuals as of 12/31/2005	\$733,933

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$6,000		\$3,000			\$9,000
Construction Costs	\$119,000		\$122,000			\$241,000
Other						
<b>Total Budget Request</b>	<b>\$125,000</b>		<b>\$125,000</b>			<b>\$250,000</b>
Revenues:	\$62,500		\$62,500			\$125,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Others(\$125,000)					



# STREET MEDIAN IMPROVEMENTS (PE-06011)

**Description:** This project renovates medians, planters, and islands by repairing or installing irrigation systems, replacing meters and backflow devices and re-landscaping as necessary. The City maintains approximately 388 medians, islands, gateways, and traffic diverters throughout Palo Alto.

**Justification:** Most of the City's medians, planters, and islands have fallen into disrepair due to water conservation, weather and climatic conditions, aged systems, and landscape plants and materials which have exceeded their useful life. Medians and islands are primarily designed to regulate traffic and provide attractive landscapes and welcoming gateways to the city. The provision of adequate landscaping and irrigation reduces siltation and water runoff to City streets.

**Supplemental Information:** These projects will be used for budget planning. Once individual projects are developed and funding is identified, the projects will be brought to Council on an individual basis with individual scopes of work.

For FY 2010-11 work schedule include: 7 Cul de Sacs, Island Drive, and Evergreen Park Barriers.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2006-2011
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-25,N-17,N-19,T-41,T-42 and Program T-47.
- **Board/Commission Review:** Art Commission

**IMPACT ANALYSIS:**

- **Environmental:** Environmental review may be required.
- **Design Elements:** Public Art Commission and ARB may be required for gateways
- **Operating:** Increased ongoing maintenance costs estimated \$4000 per acre
- **Telecommunications:** Possible initial cost for installation of telephone line(s)

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs					\$156,000	\$156,000
Other						
<b>Total Budget Request</b>					<b>\$156,000</b>	<b>\$156,000</b>
Revenues:						
Source of Funds:	Infrastructure Reserve					



# TENNIS AND BASKETBALL COURT RESURFACING (PG-06001)

**Description:** This project repairs and resurfaces the tennis and basketball courts in various Palo Alto parks and school sites.

**Justification:** This project provides resurfacing and repair of various tennis and basketball courts at both City and PAUSD sites. Resurfacing of courts will enhance the safety, quality, and condition of these athletic facilities. As a part of the Cooperative Maintenance Agreement, PAUSD will reimburse the City 50% of costs associated with PAUSD facilities.

**Supplemental Information:** Work schedule as follows:

- 2006-07 Gunn High School tennis courts/Hoover, Weisshaar, Peers Parks tennis courts
- 2007-08 Reconstruction of JLS tennis courts/resurfacing of Mitchell Park tennis courts
- 2008-09 Reconstruction of Jordan Middle School tennis courts/resurfacing of Rinconada, Hopkins Park tennis courts
- 2009-10 Palo Alto High School tennis courts/ Terman park tennis courts, Hoover Park tennis
- 2010-11 Cubberley Tennis Courts/Gunn Tennis Courts/Boulware, Briones, Greer, Peers, Terman basketball courts

Other revenue represents 50% reimbursement from PAUSD.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2005-2011
- **Percent Spent:** 10.69%
- **Managing Department:** Community Services
- **Comprehensive Plan:** Policy C-24,26 and Program C-19.

**IMPACT ANALYSIS:**

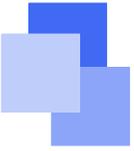
- **Environmental:** Categorically exempt from CEQA under section 15301
- **Design Elements:** NA
- **Operating:** Reduces long term infrastructure costs
- **Telecommunications:** NA

**PRIOR YEARS**

PY Budget	\$82,000
PY Actuals as of 12/31/2005	\$8,766

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$55,000	\$130,000	\$130,000	\$55,000	\$55,000	\$425,000
Other						
<b>Total Budget Request</b>	<b>\$55,000</b>	<b>\$130,000</b>	<b>\$130,000</b>	<b>\$55,000</b>	<b>\$55,000</b>	<b>\$425,000</b>
Revenues:	\$12,500	\$50,000	\$50,000	\$12,500	\$12,500	\$137,500
Source of Funds:	Infrastructure Reserve with the following reimbursements: Others(\$137,500)					



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# **Non-Infrastructure Management Plan**



# CIP SIXTEEN(16) ALS MONITOR/DEFIBRILLATORS (FD-05000)

**Description:** Purchase sixteen (16) ALS monitor/defibrillators that will be used in emergency medical care of patients to monitor and treat cardiac arrhythmias.

**Justification:** Recent changes in Santa Clara County Emergency Medical Services policies will require all Santa Clara County ALS units to replace existing ALS defibrillators with several added new features. Santa Clara County Emergency Medical Service Policy 302 requires every ALS unit to be equipped with a cardiac monitor/defibrillator.

Policy 302 must be implemented by August 1, 2006. The 16 monitor/defibrillators will be placed on ALS Ambulances and ALS Engines.

**Supplemental Information:** The City of Palo Alto was mandated by the Santa Clara County Emergency Medical Services to phase the implementation of Policy 302 in four years starting 2004.

## CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2005-2008
- **Overall Project Completion:** 50%
- **Percent Spent:** 37.84%
- **Managing Department:** Fire

## IMPACT ANALYSIS:

- **Design Elements:** Cardiac monitor/defib must have 12 lead ECG, Pacing, ETC02.
- **Operating:** Contract for service and repair.

## PRIOR YEARS

PY Budget	\$240,000
PY Actuals as of 12/31/2005	\$90,807

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$120,000	\$120,000				\$240,000
<b>Total Budget Request</b>	<b>\$120,000</b>	<b>\$120,000</b>				<b>\$240,000</b>
Revenues:	\$120,000	\$120,000				\$240,000
Source of Funds:	Capital Project Fund with the following reimbursements: General Fund(\$180,000); Stanford(\$60,000)					

# CIP ART IN PUBLIC PLACES (AC-86017)

**Description:** This project supports innovative programs for both interior and exterior public spaces by commissioning or purchasing works by living artists. In addition, funds may be used to obtain professional consultants to assist in selecting artists and works; preserve meritorious works; and defray capital expenses. This project is exclusively for the purchase and installation of public art.

**Justification:** This project places art in public buildings or parklands and other sites open to frequent public view. It is expected that a sense of community pride and ownership in the City of Palo Alto will be the result of installing Art in Public Places. Art in Public Places preserves the long-term viability of the built environment, and helps set a standard for aesthetic variety in the community.

**CIP FACTS:**

- **Continuing**
- **Managing Department:** Community Services
- **Comprehensive Plan:** Program B-3, L-19, L-28, L-47, L-70, L-72, T-41

**IMPACT ANALYSIS:**

- **Environmental:** This project is categorically exempt from CEQA.
- **Design Elements:** Location and installation of Public Art reviewed by PAC
- **Operating:** Siting, installation and maintenance review by PAC and staff

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$50,000	\$60,000	\$60,000	\$60,000	\$60,000	\$290,000
<b>Total Budget Request</b>	<b>\$50,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$290,000</b>
Revenues:	\$50,000	\$60,000	\$60,000	\$60,000	\$60,000	\$290,000
Source of Funds:	Capital Project Fund with the following reimbursements: General Fund(\$290,000)					

# CIP COMPREHENSIVE PARKING SIGNAGE PLAN (PL-06002)

**Description:** The project will include design and implementation of a comprehensive parking signage plan for the Downtown Palo Alto and California Avenue business districts. This will include all the on-street and off-street 2 or 3 hour and permit parking signs, large outside signs for all the off-street parking facilities except S/L and R garages, informational signs within parking garages, directional signs to public parking facilities, public toilets, kiosks, and large color zone signs.

**Justification:** This project responds to the Mayor's Retail Action Plan. The Mayor's plan directs staff to promote parking in cooperation with the Downtown Business Improvement District, CAADA, and Chamber of Commerce Parking Committee. The action plans call for the implementation of better signage of the color zones and to direct customers to parking lots and garages.

**Consultant Services Scope:** A design consultant will be retained to develop the comprehensive signage plan.

**CIP FACTS:**

- **Continuing**
  - **Project Status:** Pre-Design
  - **Timeline:** FY 2006-2007
  - **Percent Spent:** 0.00%
  - **Managing Department:** Planning and Community Environment
  - **Comprehensive Plan:** Program T-49.
- IMPACT ANALYSIS:**
- **Environmental:** Categorically Exempt under CEQA
  - **Design Elements:** May require ARB review for some elements.
  - **Operating:** Maintenance by Public Works

**PRIOR YEARS**

PY Budget	\$125,000
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$200,000	\$200,000				\$400,000
Other						
<b>Total Budget Request</b>	<b>\$200,000</b>	<b>\$200,000</b>				<b>\$400,000</b>
Revenues:	\$200,000	\$200,000				\$400,000
Source of Funds:	Capital Project Fund with the following reimbursements: General Fund(\$200,000); University Avenue Parking Permits Fund(\$200,000)					

**CIP INTERMODAL TRANSIT CENTER (PL-07001)**

**Description:** This project will implement the Palo Alto Intermodal Transit Center (PAITC) conceptual plan. The plan consists of both transportation elements and community amenities. Transportation elements include expanded rail and bus passenger service capacity, an at-grade intersection of Alma Street and University Avenue, the re-design of University Avenue between Alma and Palm Drive, and a bicycle and pedestrian under-crossing of Caltrain near Alma and Everett.

**Justification:** The Intermodal Transit Center project is identified as a high-priority project in the adopted Transportation Strategic Plan and was endorsed by the City Council in March 2002.

**Supplemental Information:** In 2003, the City received a Federal Transit Administration grant of \$247,500 for the preparation of environmental documentation and further conceptual design for the project. This funding was included in the operating budget. Two subsequent FTA grants will fund continued environmental analysis and conceptual engineering. Those grants total \$728,000 and require a City match of \$182,000. Future City matching will be required if this project proceeds. A percentage of the grants, to be determined in a future cooperative agreement, will go to the Santa Clara Valley Transit Authority for their costs associated with the project. A fourth FTA grant will continue the engineering phase. The projected unfunded construction costs of the project are \$195,000,000.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Planning and Community Environment
- **Comprehensive Plan:** Program T-14

**IMPACT ANALYSIS:**

- **Environmental:** An environmental analysis will be completed during design.
- **Design Elements:** Will require review by the ARB and HRB.
- **Operating:** To be developed during design process.
- **Telecommunications:** None.

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$837,380					\$837,380
Construction Costs						
Other						
<b>Total Budget Request</b>	<b>\$837,380</b>					<b>\$837,380</b>
Revenues:	\$837,380					\$837,380
Source of Funds:	Capital Project Fund with the following reimbursements: Federal Grant(\$655,341); General Fund(\$182,039)					

**CIP LIBRARY SERVICE MODEL ANALYSIS  
(PE-07011)**

**Description:** Working with the Library Advisory Commission (LAC) and the public, this project will develop a comprehensive Citywide plan for the library system to include a) the results of a community survey and public input on priorities and preferences for services; b) trends and best practices, c) an analysis of the existing PACL service model; and d) recommendations for services, operations and infrastructure. The LAC and staff will bring recommendations and a possible implementation plan to Council.

**Justification:** In Dec. 2004 staff presented to Council a series of recommendations to bring service levels in line with resources and make the Library more cost effective. Council rejected these recommendations, and asked the LAC to return with a strategy for creating a full-service library at the existing or another site, a strategy to include maintaining neighborhood facilities and distributed services, to maintain collection services, and to direct the LAC to recommend a redefinition of "branch service".

**Supplemental Information:** This project supports the work of staff and the LAC in meeting Council's direction.

Other represents Environmental Review.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2008
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24 and C-19
- **Board/Commission Review:** PTC,

**IMPACT ANALYSIS:**

- **Environmental:** An EIR will be completed
- **Design Elements:** TBD
- **Operating:** TBD
- **Telecommunications:** TBD

FUTURE FINANCIAL REQUIREMENTS						
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$200,000					\$200,000
Construction Costs						
Other	\$200,000					\$200,000
<b>Total Budget Request</b>	<b>\$400,000</b>					<b>\$400,000</b>
Revenues:	\$400,000					\$400,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: General Fund(\$400,000)					
Council Policy Direction:	1. Project is not in planned General Fund IMP and/or does not have an identified funding source. 2. Project may require voter and/or property owner approval. 3. This project is a Council top three priority.					

**NEW**



## MOBILE COMMAND VEHICLE (PD-07000)

**Description:** A Mobile Command Vehicle is designed to provide a self-contained, self-supporting command and communications center at a natural, man-made disaster or police critical incident events. The mobile command vehicle has separate dispatch center capabilities, on-line computer availability, galley and restroom facilities, and workstation and conference rooms.

**Justification:** The City of Palo Alto does not have the capability to operate a fully functional dispatch and command center away from Civic Center in the event of a critical incident or major crime. Events that require on-scene coordination can last for hours or days. This unit would provide a secure area to conduct investigations and crisis response. This vehicle would also contain a temporary dispatch center that could operate with its own generator.

**CIP FACTS:**

- **New**
- **Timeline:** FY 2007-2007
- **Overall Project Completion:** 0%
- **Managing Department:** Police Department
- **Comprehensive Plan:** This project furthers Goal N-10, Policy N-53, N-55

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt from CEQA under Section 15301.
- **Operating:** There will be annual operating and replacement costs.
- **Telecommunications:** Vehicle will equipped with radio, phone, and laptop computer

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$400,000				\$400,000
Other						
<b>Total Budget Request</b>		<b>\$400,000</b>				<b>\$400,000</b>
Revenues:		\$400,000				\$400,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: General Fund(\$400,000)					
Council Policy Direction:	This project is a Council top three priority.					

# CIP PARK RESTROOM INSTALLATION (PE-06007)

**Description:** This project provides for installation of restrooms at City parks that currently do not have restroom facilities. The restrooms may be prefabricated, and each park installation will require a Park Improvement Ordinance.

**Justification:** Many parks in the City have no restroom facilities within the park boundaries. This project will provide for one installation annually at parks with intensive recreational use.

**Supplemental Information:** Funding for this project will be provided by the Development Park Impact Fees.

This project was not included in the Infrastructure Management Plan (Adamson Study). The inclusion of this project will be accomplished with current staff resources and may delay or defer completion of other City Parks Improvement Projects. This project supersedes planned projects as it will reduce health issues in public parks and improve sanitary conditions in public parks.

## CIP FACTS:

- **Continuing**
- **Timeline:** FY 2006-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-26 and C-27
- **Board/Commission Review:** ARB

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under CEQA Section 15301
- **Design Elements:** ARB review may be required
- **Operating:** New maintenance costs for each restroom.

## PRIOR YEARS

PY Budget	\$121,937
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$100,000	\$100,000	\$100,000	\$100,000	\$400,000
Other						
<b>Total Budget Request</b>		\$100,000	\$100,000	\$100,000	\$100,000	\$400,000
Revenues:		\$100,000	\$100,000	\$100,000	\$100,000	\$400,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Development Impact Fees(\$400,000)					
Council Policy Direction:	1.This project involves a significant change in service levels requiring additional staffing or other resources. 2.This project is not in planned General Fund IMP and/or does not have an identified funding source.					

# CIP PHOTOVOLTAIC DESIGN AND INSTALLATIONS (PE-05001)

**Description:** This project will install photovoltaic solar panels on several City buildings to maximize energy production from the use of this renewable energy technology. In FY 2003-04, the City was granted \$1.4 million by the Department of Energy (DOE) for Photovoltaic installations on public buildings with matching funds provided by the City Utility Department PV Partners program.

**Justification:** The City of Palo Alto and its City-owned utility search out opportunities to reduce the community's energy usage. The City actively promotes sustainability and technologies that improve the quality of life. Encouraging use of photovoltaic solar technology in Palo Alto has been a goal for the City. Installation of photovoltaic panels on a number of City buildings will promote their effectiveness and demonstrate the City's commitment to alternative energy.

## CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2004-2007
- **Overall Project Completion:** 50%
- **Percent Spent:** 13.87%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-66 and Program N-64, N-65
- **Board/Commission Review:** ARB

## IMPACT ANALYSIS:

- **Environmental:** Environmental report may be required.
- **Design Elements:** This project may be subject to ARB review.
- **Operating:** Utility costs would be reduced for each facility.
- **Telecommunications:** None

## PRIOR YEARS

PY Budget	\$2,319,416
PY Actuals as of 12/31/2005	\$321,787

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$165,000					\$165,000
Construction Costs	\$499,500					\$499,500
Other						
<b>Total Budget Request</b>	<b>\$664,500</b>					<b>\$664,500</b>
Revenues:	\$664,500					\$664,500
Source of Funds:	Capital Project Fund with the following reimbursements: Electric Fund(\$332,250); Federal Grant(\$332,250)					

# CIP SAFE ROUTES TO SCHOOL (PL-00026)

**Description:** This project funds the design and construction of physical changes to the local and neighborhood collector streets and designated school commute routes to improve safety and reduce traffic impacts related to speed, traffic volumes and through traffic on local and collector streets.

**Justification:** Traffic calming is identified as a high priority in the adopted Transportation Strategic Plan. The adoption of a School Commute Corridor network and Neighborhood Traffic Calming Program established the priorities for responding to requests for traffic control measures to address safety, speeding and cut-through traffic, and to improve quality of life on school commute routes and residential neighborhood streets.

**CIP FACTS:**

- **Continuing**
  - **Project Status:** Construction
  - **Timeline:** FY 2000-2010
  - **Overall Project Completion:** 10%
  - **Percent Spent:** 60.66%
  - **Managing Department:** Planning and Community Environment
  - **Comprehensive Plan:** This project furthers Policy T-34 and T-40.
- IMPACT ANALYSIS:**
- **Environmental:** Environmental Assessments may be required.
  - **Operating:** Operating costs will be identified during project design.

**PRIOR YEARS**

PY Budget	\$570,000
PY Actuals as of 12/31/2005	\$345,782

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Other						
<b>Total Budget Request</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$500,000</b>
Revenues:	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Source of Funds:	Capital Project Fund with the following reimbursements: Street Improvement Fund(\$500,000)					
Council Policy Direction:	This project is not in planned General Fund IMP and/or does not have an identified funding source.					



# STREET LIGHTS IMPROVEMENTS (PO-05054)

**Description:** This project replaces street light poles, pole foundations, luminaires, and wiring as needed to maintain or improve street lighting.

**Justification:** There are over 6,000 street lights in Palo Alto. The Electric Fund maintains the poles, luminaires and circuits, and installs new street lights as requested by the Public Works Department. Pole replacements are required when existing poles fail or are accidentally damaged. Luminaires are replaced to improve lighting levels and safety. In some parts of Palo Alto, existing concrete or cast iron street light poles are failing and are no longer serviceable. This project funds their replacement.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Managing Department:** Public Works
- **Comprehensive Plan:** Program L-79

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Planning Dept. can assist in selection of design and location
- **Operating:** Maintenance will be reduced by continued maintenance.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$110,000	\$115,000	\$120,000	\$125,000	\$130,000	\$600,000
<b>Total Budget Request</b>	<b>\$110,000</b>	<b>\$115,000</b>	<b>\$120,000</b>	<b>\$125,000</b>	<b>\$130,000</b>	<b>\$600,000</b>
Revenues:	\$110,000	\$115,000	\$120,000	\$125,000	\$130,000	\$600,000
Source of Funds:	Capital Project Fund with the following reimbursements: General Fund(\$600,000)					

# CIP TRAFFIC SIGNAL UPGRADES (PL-05030)

**Description:** This project upgrades existing traffic signals to increase safety and reliability and to meet current standards. Installs new signals, replaces existing obsolete intersection controllers and replaces damaged facilities. Installs traffic adaptive signal technology on selected major traffic corridors.

**Justification:** Traffic signals upgrade is essential to respond to traffic safety and traffic flow issues, thus reducing traffic accidents, travel time, energy consumption, and air pollution. Due to the age of the current traffic signal systems and the City's need to anticipate emergencies and collect data, it is essential to upgrade and/or replace the traffic signal system infrastructure.

**CIP FACTS:**

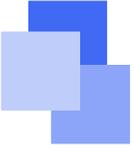
- **Continuing**
  - **Managing Department:** Planning and Community Environment
  - **Comprehensive Plan:** Program T-38.
- IMPACT ANALYSIS:**
- **Environmental:** Categorically exempt under Section 15301 of CEQA.
  - **Design Elements:** Traffic signal control cabinets are reviewed by the ARB.
  - **Operating:** Operations and Maintenance funded by Electric Fund.
  - **Telecommunications:** Will require interconnection with broadband/fiber optic

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$135,000	\$140,000	\$145,000	\$150,000	\$155,000	\$725,000
Other						
<b>Total Budget Request</b>	<b>\$135,000</b>	<b>\$140,000</b>	<b>\$145,000</b>	<b>\$150,000</b>	<b>\$155,000</b>	<b>\$725,000</b>
Revenues:	\$135,000	\$140,000	\$145,000	\$150,000	\$155,000	\$725,000
Source of Funds:	Capital Project Fund with the following reimbursements: General Fund(\$725,000)					



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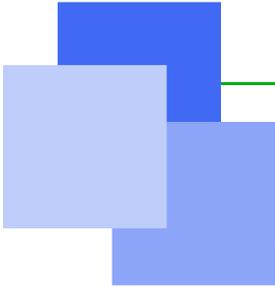
**ENTERPRISE FUND PROJECTS**



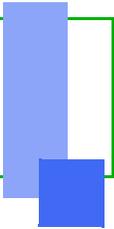


**Enterprise Funds**





# Enterprise Funds Overview - Capital Improvement Program



## An Overview

**T**he Capital Improvement Program (CIP) for the City's Enterprise Funds remains a critical part of the infrastructure commitment to our citizen-customers. With each utility operating as a separate business entity, the cost of infrastructure rehabilitation is part of their normal course of business. The funds have a "pay-as-you-go" philosophy on both operating and capital costs. Therefore, the rates charged to customers for utility services include the costs of capital work for that fund.

The 2006-07 Adopted Enterprise CIP expense is \$31.9 million. Expenditures have increased by \$2.1 million compared to the prior year, due to a number of new projects being added. A summary of new projects being added is presented in subsequent pages.

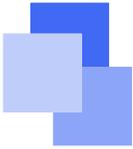
The Electric, Water, Gas, and Wastewater Collection Funds continue to have an aggressive schedule for their adopted CIP. The Accelerated Infrastructure Program started in 1990 includes projects with a major focus on maintaining and improving the reliability of the system. Work continues to replace structurally deficient water, gas, and sewer mains, convert the primary electric distribution system from 4kV lines to 12kV, install new water pumps in critical areas, and upgrade and improve substations. Ongoing efforts are always in place to evaluate service reliability needs and make improvements in the system for customers. In addition to these four funds, the Wastewater Treatment Fund, the Refuse Fund, and the Storm Drainage Fund stand behind their commitments to provide the highest level of customer service.

A significant project that is currently being undertaken is the "Emergency Water Supply Project". This project will provide emergency water supply needs to the City should the San Francisco Public Utilities Commission aqueduct shuts down for any reason.

As the utility infrastructure ages, it becomes necessary to replace and maintain the current system. There are several adopted Enterprise CIPs that replace or upgrade the existing infrastructure to maintain reliability. Staff realizes that the investment the City is making today will pay dividends to the citizens of Palo Alto now and in the future.

### Electric Fund

The Electric Fund has adopted capital expense of \$10.0 million in 2006-07. Expenditures have increased by \$2.2 million compared to the prior year level, primarily due to the "Relocation-Alma Substation Project". After reimbursements from other Enterprise funds and other entities (e.g. a telephone company), the net amount of Electric CIP expense is \$7.3 million.



## Enterprise Funds Overview - Capital Improvement Program

*continued*

Electric Fund CIPs include several Underground Projects to convert overhead lines to underground (e.g. construction of Underground District 41); a study to evaluate local generation; relocation of electric distribution and transmission facilities at Alma substation to accommodate the development of the existing site; utility security site improvements; and system reconstruction and improvements.

The local power generation project ( Power Generation Alternatives - Feasibility Study) had been approved by Council in 2005-06. However, this project is presented to Council again in 2006-07 due to changes in project scope. This project is modified to remove consideration of large power plant alternatives inside Palo Alto. Instead, the studies will focus on small-scale distributed generation in town and possible larger plant ownership opportunities outside Palo Alto. No increase in additional funding is requested.

### Gas Fund

Total 2006-07 Adopted Gas Utility CIP expenditures are \$6.8 million, an increase of \$3.3 million from 2005-06 Adopted Budget. The increase is primarily due to the construction cost of Gas Main Replacement (GMR) Project 16. Net of reimbursements from customers and other funds, the total 2006-07 proposed CIP expense is \$6.2 million.

GMR Project 16 will return the GMR program back to 30,000 linear feet per year. The ABS main replacements will be completed in fiscal year 2010-11. Trenchless main and service installation technology will be used to the extent possible to reduce the impact on City streets.

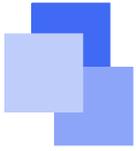
Utilities staff will focus on the continuation of the accelerated Gas Main Replacement Projects by constructing and completing Gas Main Replacement Project 16. Staff will also design Gas Main Replacement 17.

### Wastewater Collection Fund

Total 2006-07 Adopted CIP expense in the Wastewater Collection Fund is \$4.4 million; with no significant change compared to the prior year level. The net 2006-07 proposed CIP expense is \$3.5 million after reimbursement.

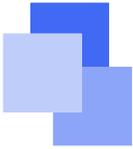
The adopted capital projects included in fiscal year 2006-07 will be developed from the system wide video documentation of sewer system structural deficiencies by WWC16, the ICOMMM maintenance and PicAx video software programs. The wastewater collection system improvements will consist of main replacements, pipebursting and slip-lining, and cast-in-place lining. Trenchless rehabilitation methods will be used where practical to reduce the impact on City streets.

Almost all projects of the Wastewater Collection Fund pertain to rehabilitation and improvements of existing wastewater collection system. In 2006-07, Wastewater



## Enterprise Funds Overview - Capital Improvement Program *continued*

	<p>Collection System Rehabilitation Project 19, with a budget of \$3.3 million, will start the construction phase while Project 20 will start the design phase.</p>
<b>Water Fund</b>	<p>The Water Fund CIP primarily involves the Water Main Replacement (WMR) projects, 15,800 feet per year, new pump design work at Mayfield Pump Station, and other projects focused on reliability. The project at the Mayfield Pump Station will be constructed to meet the recommendations of the California Department of Health Services to ensure an emergency water supply.</p> <p>In 2005-06, Phase 1 of the Emergency Water Supply Project at foothill booster stations were completed. Water quality improvements were constructed at the City's six reservoirs. The environmental impact review (EIR) process for the new facilities in the Emergency Water Supply Project was also started and is planned for completion on the latter part of 2006. During fiscal year 2006-07, staff will focus on designing projects approved in the EIR. Staff will also construct WMR 20, and begin design for WMR 21. The first of three planned portable generators will be purchased in fiscal year 2006-07 to replace units purchased in 1980.</p> <p>Total 2006-07 Adopted CIP expense in the Water Fund is \$4.0 million. This is a \$1.5 million decrease compared to the prior year level.</p>
<b>Refuse Fund</b>	<p>There are two new projects in the Refuse Fund in the 2006-11 five year plan, all relating to the landfill closure in 2011. The first project "Relocation of Landfill Facilities" is expected to commence in 2007-08. This will relocate the existing tollbooth, scale and administrative trailer. The other project, "Landfill Closure", will initiate in 2010-11, and will provide funding for the closure of the last remaining open area at the landfill.</p> <p>Total cost for these two projects in the 2006-11 CIP plan is \$4.3 million.</p>
<b>Wastewater Treatment Fund</b>	<p>There are six adopted CIP projects in the Wastewater Treatment Fund in 2006-07, all relating to improving system reliability. Total CIP expense within the fund is \$5.3 million, a \$3.9 million decrease compared to the prior year level. The decrease is attributed to "Replace Existing Reclaimed Water Pipe Project". This project is ready to bid for construction in the summer of 2006.</p> <p>With additional reimbursement from the enterprise funds and other agencies the net amount of Wastewater Treatment CIP expense for 2006-07 is \$2.1 million.</p>
<b>Storm Drainage Fund</b>	<p>For a number of years, capital projects in the Storm Drainage Fund were delayed due to lack of resources. In April 2005, the Palo Alto property owners approved a storm drain fee increase. This increase will provide the necessary resources to the Storm Drainage Fund to undertake capital projects. The 2006-07 capital projects</p>



## Enterprise Funds Overview - Capital Improvement Program

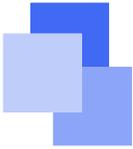
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include \$1.4 million expenditures to address areas that need repair such as high-priority storm drain system capacity upgrades, drainage system repairs, enhance storm drain maintenance and storm water quality protection activities.

### New Projects

The new projects that are being added to the adopted 2006-11 five-year plan in the enterprise funds include the following:

2006-11 CIP List of New Projects ENTERPRISE FUNDS	
CIP NO.	Project Title
<b>Electric Fund</b>	
EL-11004	Hewlett Subdivision Rebuild Los Trancos Road
EL-11003	Rebuild UG District 15
EL-11005	Rebuild UG District 22
EL-10006	Rebuild UG District 24
EL-11002	St. Francis/Oregon/Amarillo/Louis 4/12kV Conversion
EL-11001	Torrey Court Rebuild
<b>Gas Fund</b>	
GS-11000	GMR – Project 21
<b>Water Fund</b>	
WS-07004	Water System Portable Emergency Generators
WS-11000	WMR – Project 25
<b>Wastewater Collection Fund</b>	
WC-10002	WW Collection Sys./Rehab/Aug. Project 23
WC-11000	WW Collection Sys./Rehab/Aug. Project 24
<b>Refuse Fund</b>	
RF-11001	Landfill Closure
RF-07001	Relocation of Landfill Facilities
<b>Wastewater Treatment Fund</b>	
WQ-06014	Disinfection Facility Improvement Program
WQ-06013	Sludge Ash Processing and Beneficial Use



## Enterprise Funds Overview - Capital Improvement Program

*continued*

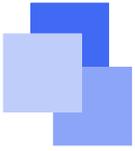
### Projects Requiring Council Policy Direction

The projects requiring Council policy direction are listed below and are also identified on the project page.

2006-11 CIP List of Projects Requiring Council Policy Direction		Council Policy Direction Criteria
CIP No.	Project Title	
EL-05003	Relocation –Alma Substation	2, 5

Criteria for identifying capital projects that require Council policy direction are as follows:

1. Project would require an amendment to the Comprehensive Plan or other master plans.
2. Project would require a change in land use.
3. Project involves a significant change in service levels requiring additional staffing or other resources.
4. Project is not in planned General Fund IMP and/or does not have an identified funding source.
5. Project requires acquisition or disposition of property.
6. Project will probably require an Environmental Impact Review.
7. Project requires significant diversion of staffing and/or City funds due to outside funding opportunity (e.g. grants).
8. Project may require voter and/or property owner approval (e.g. libraries and storm drains).
9. This project is a Council Top 3 priority.



## Enterprise Funds Overview - Capital Improvement Program

*continued*



**Electric Fund**



# City of Palo Alto ELECTRIC UTILITY 2006-2011 Capital Improvement Program



## LEGEND

<b>42</b>	<b>PROPOSED UNDERGROUND PROJECTS</b>		
<b>41</b>	UG DISTRICT #41 (03001)	_____	2005-2008
<b>42</b>	UG DISTRICT #42 (08001)	_____	2008-2010
<b>43</b>	UG DISTRICT #43 (09001)	_____	2009-2011
<b>45</b>	UG DISTRICT #45 (06002)	_____	2007-2010
<b>A</b>	<b>PROPOSED UNDERGROUND REBUILD</b>		
<b>A1</b>	EL CAMINO REAL (05000)	_____	2005-2008
<b>A2</b>	MIDDLEFIELD ROAD (09000)	_____	2008-2010
<b>A3</b>	REBUILD U.G. DISTRICT #17 (10001)	_____	2008-2010
<b>A4</b>	REBUILD U.G. DISTRICT #24 (10004)	_____	2009-2011
<b>A5</b>	REBUILD U.G. DISTRICT #22 (11005)	_____	2010-2012
<b>A6</b>	REBUILD U.G. DISTRICT #15 (11003)	_____	2010-2012
<b>B</b>	<b>PROPOSED SYSTEM REBUILD</b>		
<b>B1</b>	COLORADO SWITCH STATION REBUILD (05001)	_____	2006-2008
<b>B2</b>	ALMA SUBSTATION RELOCATION (05003)	_____	2005-2008
<b>C</b>	<b>PROPOSED 4/12KV CONVERSION</b>		
<b>C1</b>	PARK BLVD 4/12KV CUTOVER (06000)	_____	2005-2007
<b>C2</b>	E. CHARLESTON 4/12KV CUTOVER (08000)	_____	2007-2009
<b>C3</b>	E. MEADOW/ALMA/LOMA VERDE 4/12KV (08002)	_____	2007-2009
<b>C4</b>	MIDDLEFIELD/COLORADO 4/12KV (09002)	_____	2008-2010
<b>C5</b>	ST. FRANCIS/OREGON/AMARILLO/LOUIS 4/12KV (11002)	_____	2010-2012



# CIP AUTOMATED METER READING SYSTEM (EL-04014)

**Description:** This project uses an automated meter reading (AMR) system that leverages proven technology to provide timely and accurate meter reads with minimal human intervention. This project funds the purchase and installation of equipment to remotely read selected customer meters for billing purposes. Selected utility meters will be those that are particularly costly to read and include the following: hard to access meters, frequently read meters, hazardous to read meters, and meters located remotely.

**Justification:** Meter readers read approximately 70,000 water, gas, and electric meters cumulatively for monthly billing purposes. The additional funding requested in fiscal year 2006-07 will cover the labor cost to manage the project internally without the dependence on contractors.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2003-2007
- **Overall Project Completion:** 50%
- **Percent Spent:** 32.62%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policies T-3 and N-44
- **Board/Commission Review:** UAC

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA
- **Operating:** Field Service Representatives will be trained to install.
- **Telecommunications:** AMR system will use unlicensed radio frequencies (RF).

**PRIOR YEARS**

PY Budget	\$1,284,000
PY Actuals as of 12/31/2005	\$418,861

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$50,000					\$50,000
Other						
<b>Total Budget Request</b>	<b>\$50,000</b>					<b>\$50,000</b>
Revenues:	\$20,572					\$20,572
Source of Funds:	Electric Fund with the following reimbursements: Gas Fund(\$12,167); Water Fund(\$8,405)					



# COLORADO SW STA 115KV BUS INSTALLATION (EL-05001)

**Description:** This project will install a 115 kV Main Bus including three 115 kV line circuit breakers and one 115 kV transformer bank circuit breaker. Construct the Main Bus for future 230 kV operation. Reroute the substation yard access road to clear the bus support structures.

**Justification:** This work will eliminate the City's need for the PG&E 115 kV switching station adjacent to Colorado Power Station. Palo Alto Utilities will save approximately \$600,000 per year in rent paid for the PG&E switching station site. This project will facilitate future City plans for 230 kV transmission access by providing a main bus and line deadend structures suitable for future 230 kV transmission service.

## PRIOR YEARS

PY Budget	\$130,000
PY Actuals as of 12/31/2005	\$1,428

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$150,000					\$150,000
Construction Costs		\$3,000,000				\$3,000,000
Other						
<b>Total Budget Request</b>	<b>\$150,000</b>	<b>\$3,000,000</b>				<b>\$3,150,000</b>
Revenues:						
Source of Funds:	Electric Fund					

### CIP FACTS:

- **Continuing**
- **Timeline:** FY 2005-2008
- **Percent Spent:** 1.10%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy N-44.

### IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Screening of pad-mounted equipment will be included.
- **Operating:** Reduced operating expenses due to reduced lease costs.

# CIP COMMUNICATIONS SYSTEM IMPROVEMENTS (EL-89031)

**Description:** This project installs copper wire cable systems, high frequency coaxial cable, fiber optic cable, and related equipment to provide communications services for traffic signal coordination, telephone links, computer data transmission and the Electric Supervisory Control, and Data Acquisition (SCADA) system.

**Justification:** Installation of communication lines is essential for the provision of City services. The broadband system is the network connecting the major Local Area Networks (LAN) at the MSC, Water Quality Control Plant, and City Hall into a Wide Area Network (WAN). The broadband system also provides communication between the various SCADA systems and their field components.

**CIP FACTS:**

- **Continuing**
- **Managing Department:** Utilities
- **Comprehensive Plan:** Program L-81.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Telecommunications:** Supports city telephone links and WAN.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$50,000	\$55,000	\$60,000	\$65,000	\$70,000	\$300,000
Other						
<b>Total Budget Request</b>	<b>\$50,000</b>	<b>\$55,000</b>	<b>\$60,000</b>	<b>\$65,000</b>	<b>\$70,000</b>	<b>\$300,000</b>
Revenues:						
Source of Funds:	Electric Fund					



# E. CHARLESTON 4/12KV CONVERSION (EL-08000)

**Description:** This project will rebuild the underground main feeders and convert the primary electric distribution system in the East Charleston/ Middlefield Road area from 4 kV to 12 kV.

**Justification:** The existing 4 kV distribution system serves 150 customers and requires a primary neutral conductor for proper operation. The overhead and underground neutral disconnect switches are old and in deteriorated condition. In addition, the substation transformers and switchgear for the EM-3 and EM-4 feeders serving this area are approximately 50 years old and among the oldest substation equipment in the City's electric system.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2008-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy N-44 and Program L-81

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance expenses due to retirement of facilities

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs		\$50,000				\$50,000
Construction Costs			\$500,000			\$500,000
Other						
<b>Total Budget Request</b>		\$50,000	\$500,000			\$550,000
Revenues:						
Source of Funds:	Electric Fund					

# CIP E. MEADOW/ALMA/LOMA 4/12kV CONVERSION (EL-08002)

**Description:** This project will convert the primary electric distribution system in the East Meadow/Alma/Loma Verde area from 4 kV to 12 kV.

**Justification:** The existing 4 kV distribution system serves 850 customers and requires a primary neutral conductor for proper operation. The overhead and underground neutral disconnect switches are old and in deteriorated condition. In addition, the substation transformers and switchgear for the EM-1 and EM-5 feeders serving this area are approximately 50 years old and among the oldest substation equipment in the City's electric system.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2008-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy N-44.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance due to facility retirements.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs		\$60,000				\$60,000
Construction Costs			\$600,000			\$600,000
Other						
<b>Total Budget Request</b>		<b>\$60,000</b>	<b>\$600,000</b>			<b>\$660,000</b>
Revenues:						
Source of Funds:	Electric Fund					



# EL CAMINO UNDERGROUND REBUILD (EL-05000)

**Description:** This project includes rebuilding the underground electric distribution system on El Camino Real from Fernando Avenue to Cesano Court and converting the system from 4kV to 12kV.

**Justification:** The underground electric distribution system on El Camino Real was installed in 1970. The underground cable and connectors are 34 years old and have reached the end of their useful life. In addition, the substation transformers and switchgear for the MB-1 and MB-2 feeders are 42 years old and are approaching the end of their useful life.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2007
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Program L-81.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Screening of pad-mounted equipment will be included.
- **Operating:** Reduced maintenance costs due to retirement of facilities.

**PRIOR YEARS**

PY Budget	\$100,000
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$1,500,000				\$1,500,000
Other						
<b>Total Budget Request</b>		<b>\$1,500,000</b>				<b>\$1,500,000</b>
Revenues:						
Source of Funds:	Electric Fund					

# CIP ELECTRIC CUSTOMER CONNECTIONS (EL-89028)

**Description:** This project performs the following: installation of services, transformers, and meters for new customers, upgrading of existing services, temporary service connections, and overhead and underground extensions for new or existing customers.

**Justification:** The project provides funding for the connection of new customers and the upgrading of existing services. These are critical functions for providing electrical service to the City's customers. During a typical year, over 200 electric services are installed or upgraded in the City.

**Supplemental Information:** Revenue from others represents reimbursements from customers.

**CIP FACTS:**

- **Continuing**
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44 and Program L-81

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$1,600,000	\$1,700,000	\$1,800,000	\$1,900,000	\$2,000,000	\$9,000,000
Other						
<b>Total Budget Request</b>	<b>\$1,600,000</b>	<b>\$1,700,000</b>	<b>\$1,800,000</b>	<b>\$1,900,000</b>	<b>\$2,000,000</b>	<b>\$9,000,000</b>
Revenues:	\$650,000	\$700,000	\$750,000	\$800,000	\$850,000	\$3,750,000
Source of Funds:	Electric Fund with the following reimbursements: Others(\$3,750,000)					

# CIP ELECTRIC SYSTEM IMPROVEMENTS (EL-98003)

**Description:** This project provides funding as needed to improve the electric distribution system. Typical activities include: increasing system capacity for load growth, replacing deteriorated capital facilities, reconfiguring/adding to the system to improve service reliability, repairing and replacing storm damaged equipment, and making general improvements to the system.

**Justification:** Electric system service reliability and adequate system capacity are critical to providing a high level of service to customers in Palo Alto. When service interruptions occur, customers may experience significant economic losses. We must continuously evaluate service reliability needs and make improvements to the system to maintain top-level service to our customers.

**Supplemental Information:** Revenues from others represents reimbursements from a telephone company of \$650,000.

**CIP FACTS:**

- **Continuing**
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44 and Program L-81

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$1,700,000	\$1,800,000	\$1,900,000	\$2,000,000	\$2,100,000	\$9,500,000
Other						
<b>Total Budget Request</b>	<b>\$1,700,000</b>	<b>\$1,800,000</b>	<b>\$1,900,000</b>	<b>\$2,000,000</b>	<b>\$2,100,000</b>	<b>\$9,500,000</b>
Revenues:	\$120,000	\$125,000	\$130,000	\$135,000	\$140,000	\$650,000
Source of Funds:	Electric Fund with the following reimbursements: Others(\$650,000)					

# CIP ELECTRIC UTILITY GIS (EL-02011)

**Description:** This project will improve the ability of Palo Alto's utilities to use the citywide Geographic Information System (GIS). As with other GIS activities, completion of data-related tasks are the primary emphasis. While most of the electric system is accurately mapped, several map sets remain to be integrated into the GIS.

**Justification:** The Geographic Information System has grown from being a set of special purpose computer applications to being an information tool that serves all segments of the city. Initially used only by a few highly skilled technicians and engineers, GIS applications are now standard on every new personal computer that the city deploys. Applications have been developed which make GIS information accessible to hundreds of users greatly increasing the value of the system.

**CIP FACTS:**

- **Continuing**
- **Percent Spent:** 77.98%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Program T-10

**IMPACT ANALYSIS:**

- **Environmental:** This is a project under CEQA.
- **Operating:** There will be ongoing annual maintenance costs.

**PRIOR YEARS**

PY Budget	\$272,500
PY Actuals as of 12/31/2005	\$212,500

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$30,000	\$30,000	\$40,000			\$100,000
Construction Costs						
Other						
<b>Total Budget Request</b>	<b>\$30,000</b>	<b>\$30,000</b>	<b>\$40,000</b>			<b>\$100,000</b>
Revenues:						
Source of Funds:	Electric Fund					



# FIBER OPTIC CUSTOMER CONNECTIONS (FORMERLY EL-98002) (EL-06006)

**Description:** This project provides funds for the installation of fiber optic infrastructure for new service connections. These new service connections cost nothing to the Electric Utility after reimbursements since requesting parties will be billed for the interconnection and the utilities ongoing costs of ownership. Typical activities in this CIP include: purchasing, upgrading, and installing fiber optic cable, conduits, and splice enclosures

**Justification:** This project promotes the formation of a competitive market for telecommunications in Palo Alto, accelerating the pace at which high-quality, low-cost advanced telecommunications services are delivered to residents and businesses, while limiting the negative impacts on Palo Alto's environment by using existing conduit and poles. Finally, it enables the Electric Utility to generate additional revenues through the enhanced use of its conduit and poles.

**Supplemental Information:** Revenue from others represent fiber optic license fee

**CIP FACTS:**

- **Continuing**
- **Managing Department:** Utilities
- **Comprehensive Plan:** Program B-4 and L-81.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA
- **Design Elements:** Screening of pad-mount equipment will be included.
- **Operating:** Infrastructure will require more funding

**PRIOR YEARS**

PY Budget	ngoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Other						
<b>Total Budget Request</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$1,000,000</b>
Revenues:	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Source of Funds:	Fiber Optic Fund with the following reimbursements: Others(\$1,000,000)					



# FIBER OPTIC NETWORK SYSTEM IMPROVEMENTS (FORMERLY EL-98001) (EL-06005)

**Description:** This project extends the "dark" fiber optic network around Palo Alto which, in turn, is leased to parties providing telecommunication services to citizens and businesses in Palo Alto. Included in the project are increases in system capacity, development of fiber sub-rings, and general improvements to the fiber system. Additional fibers will be reserved for future use by the City.

**Justification:** This project promotes the formation of a competitive market for telecommunications in Palo Alto, accelerating the pace at which high-quality, low-cost advanced telecommunications services are delivered to the residents and businesses of Palo Alto. It does so while limiting the negative impacts on Palo Alto's environment by using pre-existing conduit and poles. Finally, it enables the Electric Utility to generate additional revenues through the enhanced use of its conduit and poles.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Managing Department:** Utilities
- **Comprehensive Plan:** Program B-4 and L-81.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Screening of pad-mounted equipment will be included.
- **Operating:** Additional infrastructure will require more funding.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Other						
<b>Total Budget Request</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$500,000</b>
Revenues:						
Source of Funds:	Fiber Optic Fund					

# CIP FOOTHILLS COMMUNICATION IMPROVEMENT PLAN (EL-04013)

**Description:** This project consists of installing fiber optics cable and associated communications equipment in the Foothills. The new equipment would provide redundancy and backup for the City's microwave communications used by Police and Fire. Additionally, this project will improve the reliability of the SCADA communications for water, gas, wastewater and electric systems. Spare fibers would be available for future lease to Palo Alto customers.

**Justification:** This project will improve the reliability of the City's communication system in the foothills which will benefit Police, Fire, and Utilities. High speed data communication media would be available to extend the City's WAN to public and private facilities and would be a revenue source for the Fiber Optic Communications Utility. This system would allow installation of security related surveillance and equipment for critical Utility sites.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Overall Project Completion:** 30%
- **Percent Spent:** 79.85%
- **Managing Department:** Utilities

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Reduced maintenance expense.
- **Telecommunications:** This project will improve communication in the Foothills.

**PRIOR YEARS**

PY Budget	\$460,000
PY Actuals as of 12/31/2005	\$367,319

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$90,000					\$90,000
Other						
<b>Total Budget Request</b>	<b>\$90,000</b>					<b>\$90,000</b>
Revenues:						
Source of Funds:	Electric Fund					

**NEW**

**CIP** HEWLETT SUBDIVISION REBUILD LOS TRANCOS ROAD (EL-11004)

**Description:** This project will rebuild the underground system in Hewlett subdivision along Los Trancos Road. The project will improve system reliability by replacing deteriorated facilities.

**Justification:** In 2010, this system will be 40 years old and will need replacement due to end of design life.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2010-2011
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44 and Program L-81.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Screening of pad-mounted equipment will be included.
- **Operating:** Reduced maintenance expense due to new equipment.

FUTURE FINANCIAL REQUIREMENTS						
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs					\$400,000	\$400,000
Other						
<b>Total Budget Request</b>					\$400,000	\$400,000
Revenues:						
Source of Funds:	Electric Fund					

# CIP MIDDLEFIELD / COLORADO 4/12 kV CONVERSION (EL-09002)

**Description:** Convert the primary electric distribution system in the Middlefield / Colorado area from 4 kV to 12 kV.

**Justification:** The existing 4 kV distribution system serves 150 customers and requires a primary neutral conductor for proper operation. The overhead and underground neutral disconnect switches are old and in deteriorated condition. In addition, the substation transformers and switchgear for the EM-1 and HO-4 feeders serving this area are approximately 50 years old and among the oldest substation equipment in the City's electric system.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2009-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy N-44.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance due to facility retirements.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs			\$20,000			\$20,000
Construction Costs				\$200,000		\$200,000
Other						
<b>Total Budget Request</b>			\$20,000	\$200,000		\$220,000
Revenues:						
Source of Funds:	Electric Fund					

# CIP MIDDLEFIELD UNDERGROUND REBUILD (EL-09000)

**Description:** This project rebuilds the underground main feeders and converts the primary electric distribution system in the Middlefield/Loma Verde area from 4 kV to 12 kV, removes the substation transformers and 4 kV switchgear at East Meadow Substation.

**Justification:** The existing 4 kV distribution system serves 950 customers and requires a primary neutral conductor for proper operation. The underground neutral disconnect switches are old and in deteriorated condition. The underground primary cable is approximately 30 years old and has reached the end of its expected life. In addition, the substation transformers and switchgear for the EM-1 and EM-5 feeders serving this area are approximately 50 years old and among the oldest substation equipment.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2009-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Program L-81

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance due to the retirement of facilities.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs			\$75,000	\$500,000		\$575,000
Construction Costs						
Other						
<b>Total Budget Request</b>			\$75,000	\$500,000		\$575,000
Revenues:						
Source of Funds:	Electric Fund					

# CIP PARK BLVD. 4/12 kV CONVERSION (EL-06000)

**Description:** This project converts the Park Boulevard Substation PB-2 feeder between the substation and West Meadow Drive from 4 kV to 12 kV and removes the associated PB-2 substation transformer and switchgear.

**Justification:** The existing 4 kV distribution system serves 250 customers and requires a primary neutral conductor for proper operation. The overhead and underground neutral disconnect switches are old and in deteriorated condition. In addition, the substation transformer and switchgear for PB-2 feeder are approximately 50 years old and among the oldest substation equipment in the City's electric system.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance due to facility retirement.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$35,000	\$350,000				\$385,000
Construction Costs						
Other						
<b>Total Budget Request</b>	<b>\$35,000</b>	<b>\$350,000</b>				<b>\$385,000</b>
Revenues:						
Source of Funds:	Electric Fund					



# POWER GENERATION ALTERNATIVES - FEASIBILITY STUDY (EL-06004)

**Description:** This project will fund a comprehensive feasibility study of local electric power generation alternatives. The study will explore the feasibility of constructing electric generation facilities capable of serving a portion of Palo Alto's total electric load. (See supplemental information section for more project description.)

**Justification:** The proposed feasibility studies will support (a) development and implementation of a comprehensive plan to facilitate and implement clean high-efficiency distributed generation within Palo Alto, and (b) evaluation of power plant ownership opportunities outside of Palo Alto, but within or near the Greater Bay Area. Local generation is identified in the Council-approved Long-term Electric Acquisition Plan (LEAP) as a potential source for Palo Alto's electric supplies.

**Supplemental Information:** Project Description continued:  
The proposed project includes (1) evaluating the technical, economic, and environmental feasibility of and community support for both kinds of generation facilities, (2) developing a long-term implementation plan to capitalize on environmentally friendly and cost-effective high-efficiency cogeneration opportunities at large customer sites that are compatible with the Comprehensive Plan, (3) formulating staff recommendations regarding power plant ownership options outside of Palo Alto, and (4) reporting findings and recommendations to UAC and Council.

The inclusion of this project in the Proposed Budget represents changes in the text only. There is no request for additional funding. \$500,000 was appropriated to this project in 2005-06.

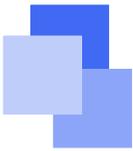
Consultant services will be required in the areas of public participation and outreach, engineering and technical evaluation and design, legal services, environmental compliance, and financial pro-forma evaluation.

## CIP FACTS:

- **Continuing**
- **Timeline:** FY 2005-2006
- **Overall Project Completion:** 10%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44, Policy N-46
- **Board/Commission Review:** UAC, Policy and Services

## IMPACT ANALYSIS:

- **Environmental:** This feasibility study is not a project under CEQA
- **Design Elements:** Design elements will be addressed in Phase 2



# POWER GENERATION ALTERNATIVES - FEASIBILITY STUDY (EL-06004)

## PRIOR YEARS

PY Budget	\$500,000
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other						
<b>Total Budget Request</b>						
Revenues:						
Source of Funds:	Electric Fund					
Council Policy Direction:	Project may require acquisition and disposal of real property.					

**CIP REBUILD UG DISTRICT 15 (EL-11003)**

**Description:** This project will rebuild and replace the underground electric system in UG District 15. The area is bounded by Los Palos, Glenbrook, Pomona, and Arastradero. Work will include the replacement of deteriorated electrical cable, transformers and enclosures. Installation of new equipment will bring the electrical system up to current construction standards.

**Justification:** The underground system serving UG District 15 was installed in 1973, and cables and equipment in the area have exceeded their expected life of 30 years. In addition, most of the equipment and cables were installed in subsurface enclosures that have standing water in them in the winter. The water reduces the life of the equipment and electrical connections and requires that rebuilding be performed on the facilities.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2010-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44 and Program L-81

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance expenses due to retirement of facilities

<b>FUTURE FINANCIAL REQUIREMENTS</b>						
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs					\$250,000	\$250,000
Other						
<b>Total Budget Request</b>					<b>\$250,000</b>	<b>\$250,000</b>
Revenues:						
Source of Funds:	Electric Fund					



# REBUILD UG DISTRICT 17 (EL-09003)

**Description:** This project will rebuild and replace the underground electric system in UG District 17. The area is bounded by University, Florence, Lytton and Ramona in downtown Palo Alto. Work will include the replacement of deteriorated electrical cable, transformers and enclosures. Installation of new equipment will bring the electrical system up to current construction standards.

**Justification:** The underground system serving UG District 17 was installed in 1974, and cables and equipment in the area have exceeded their expected life of 30 years. In addition, most of the equipment and cables were installed in subsurface enclosures that have standing water in them in the winter. The water reduces the life of the equipment and electrical connections and requires that rebuilding be performed on the facilities.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2009-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44 and Program L-81

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance expenses due to retirement of facilities

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs			\$100,000	\$500,000		\$600,000
Other						
<b>Total Budget Request</b>			<b>\$100,000</b>	<b>\$500,000</b>		<b>\$600,000</b>
Revenues:						
Source of Funds:	Electric Fund					

**NEW**

# CIP REBUILD UG DISTRICT 22 (EL-11005)

**Description:** This project will rebuild and replace the underground electric system in UG District 22. The area is bounded by Nogal, Cambridge, El Camino and Sherman. Work will include the replacement of deteriorated electrical cable, transformers, and enclosures. Installation of new equipment will bring the electrical system up to current construction standards.

**Justification:** The distribution system in this area serves the California Avenue business district. Some of this system has been rebuilt due to a rash of component failures in recent years. In 2010, this system will have cable that is 30 years old and will need to be partially rebuilt. This project will improve the reliability of the electric system in this business area.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2010-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44 and Program L-81

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance expenses due to retirement of facilities

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs					\$250,000	\$250,000
Other						
<b>Total Budget Request</b>					<b>\$250,000</b>	<b>\$250,000</b>
Revenues:						
Source of Funds:	Electric Fund					

**CIP REBUILD UG DISTRICT 24 (EL-10006)**

**Description:** This project will rebuild and replace the underground electric system in UG District 24. The area is bounded by Alma, Lytton, Bryant and Forest in the downtown Palo Alto. Work will include the replacement of deteriorated electrical cable, transformers, switches and enclosures. Installation of new equipment will bring the electrical system up to current construction standards.

**Justification:** The underground electric distribution system in the UG District 24 was installed in 1983. Although typical cable and equipment expected life is 30 years when conditions are ideal, due to most of the equipment and cables operating in standing water during winter, its useful service life is compromised and failures could begin to occur prematurely. The water reduces the life of the equipment and connections and requires that the system be rebuilt.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2009-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44 and Program L-81

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance expenses due to retirement of facilities

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs				\$150,000		\$150,000
Construction Costs					\$1,200,000	\$1,200,000
Other						
<b>Total Budget Request</b>				\$150,000	\$1,200,000	\$1,350,000
Revenues:						
Source of Funds:	Electric Fund					

# CIP RELOCATION - ALMA SUBSTATION (EL-05003)

**Description:** This project relocates the electric distribution facilities and transmission facilities at Alma Substation to accommodate the development of this site. The substation facilities will be relocated to Quarry Substation. To allow the relocation of the substation facilities, the transmission and distribution facilities will be rearranged.

**Justification:** Alma Substation is located in a central downtown location on Alma Street. Redevelopment has been occurring in recent years in the areas surrounding the substation. Further redevelopment of the area is being impacted by the substation location.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Overall Project Completion:** 10%
- **Percent Spent:** 1.15%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy L-79.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced operating expenses due facilities retirements.
- **Telecommunications:** Facilities to be relocated.

PRIOR YEARS	
PY Budget	\$500,000
PY Actuals as of 12/31/2005	\$5,738

FUTURE FINANCIAL REQUIREMENTS						
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$1,800,000	\$135,000				\$1,935,000
Other						
<b>Total Budget Request</b>	<b>\$1,800,000</b>	<b>\$135,000</b>				<b>\$1,935,000</b>
Revenues:						
Source of Funds:	Electric Fund					
Council Policy Direction:	1. This project would require a change in land use. 2. This project requires acquisition or disposition of property.					



# SCADA SYSTEM UPGRADES (EL-02010)

**Description:** This project will provide for upgrades to the Supervisory Control and Data Acquisition (SCADA) system by adding an Oracle Server, developing links to the City's web site, and upgrading the SCADA System Hardware. In addition, the Water, Gas, Wastewater SCADA will be integrated into the Electric SCADA system.

**Justification:** There are currently two different SCADA systems. The Electric SCADA and the Water, Gas, Wastewater SCADA are now separately maintained and operated. In an effort to reduce operating costs and improve maintenance efficiency, the systems will be integrated into a single system.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Overall Project Completion:** 30%
- **Percent Spent:** 62.87%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy G-3 and Program T-10.

**IMPACT ANALYSIS:**

- **Operating:** Improves operating efficiency.

**PRIOR YEARS**

PY Budget	\$645,000
PY Actuals as of 12/31/2005	\$405,490

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$75,000					\$75,000
Other						
<b>Total Budget Request</b>	<b>\$75,000</b>					<b>\$75,000</b>
Revenues:						
Source of Funds:	Electric Fund					

**NEW**



# ST. FRANCIS/OREGON/AMARILLO/LOUIS 4/12kV CONVERSION (EL-11002)

**Description:** This project will convert the primary electric distribution system in the St. Francis/Oregon/Amarillo/Louis area from 4kV to 12kV.

**Justification:** The existing 4kV distribution system serves 500 customers. Due to prior 4/12kV conversions in adjacent areas, this area needs to be served by 12kV so that adequate circuit tie capability can be restored. In addition, the area now requires a primary neutral conductor for proper operation. The existing neutral disconnect switches are in old and deteriorated condition and need replacement.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2010-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance costs due to retirement of facilities.

FUTURE FINANCIAL REQUIREMENTS						
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs					\$400,000	\$400,000
Other						
<b>Total Budget Request</b>					<b>\$400,000</b>	<b>\$400,000</b>
Revenues:						
Source of Funds:	Electric Fund					

# CIP SUBSTATION FACILITY IMPROVEMENTS (EL-89044)

**Description:** This project involves several improvements to substation facilities, including replacement of batteries and battery chargers based upon their life expectancy; installation and replacement of capacitors; renovation of security fences and entry gates; paving of driveways and parking areas in substations; upgrading of substation drainage systems; replacement of Remote Terminal Unit (RTU) equipment, bus voltage monitoring and LAN connections; and other improvements.

**Justification:** Timely replacement of batteries and battery chargers is vital to substation operation. The batteries provide critical direct current control power to operate the protective devices and the remote terminal units. The chargers maintain the batteries at full charge, in addition to supplying all the substation direct current power requirements. Capacitors are installed and replaced to maintain a 95 percent or better power factor at the time of peak demand.

**CIP FACTS:**

- **Continuing**
- **Overall Project Completion:** 40%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Exterior features to be coordinated with Planning.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$140,000	\$145,000	\$150,000	\$155,000	\$160,000	\$750,000
<b>Total Budget Request</b>	<b>\$140,000</b>	<b>\$145,000</b>	<b>\$150,000</b>	<b>\$155,000</b>	<b>\$160,000</b>	<b>\$750,000</b>
Revenues:						
Source of Funds:	Electric Fund					

# CIP SUBSTATION PROTECTION IMPROVEMENTS (EL-89038)

**Description:** This project funds the purchase of protective overcurrent relays, circuit breakers, high voltage fuses and other reliability improvements at electrical substations. The components are installed or used to replace existing devices; to improve reliability of the power system; and to achieve better coordination with customers' protective devices which interrupt the flow of current during an electrical fault.

**Justification:** As the electric distribution system becomes more complex and the reliability of service to customers becomes more critical, improvements to the protective schemes used by the electric system are required. This project includes replacement of old protective devices and controls that no longer provide the level of functionality now required with more sophisticated and sensitive devices.

**CIP FACTS:**

- **Continuing**
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$200,000	\$210,000	\$220,000	\$230,000	\$240,000	\$1,100,000
Other						
<b>Total Budget Request</b>	<b>\$200,000</b>	<b>\$210,000</b>	<b>\$220,000</b>	<b>\$230,000</b>	<b>\$240,000</b>	<b>\$1,100,000</b>
Revenues:						
Source of Funds:	Electric Fund					

**NEW**



# TORREYA COURT REBUILD (EL-11001)

**Description:** This project will rebuild the underground system on Torrey Court. The project will improve system reliability by replacing deteriorated facilities.

**Justification:** In 2010, the electric system on Torrey Court will be 36 years old and will need replacement due to deteriorated cables and connections.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2010-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44 and Program L-81.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Screening of pad-mounted equipment will be included.
- **Operating:** Reduced maintenance expense due to new equipment.
- **Telecommunications:** None.

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs					\$70,000	\$70,000
Other						
<b>Total Budget Request</b>					<b>\$70,000</b>	<b>\$70,000</b>
Revenues:						
Source of Funds:	Electric Fund					

# CIP UG DISTRICT 43 - SAN ANTONIO (EL-09001)

**Description:** This project includes the design costs to underground the existing overhead distribution system in the area bounded by San Antonio/Ferne/Mackay. Undergrounding will be completed in FY 2010-11.

**Justification:** Benefits of undergrounding include system improvement, higher reliability, reduced tree trimming and improved aesthetics. Undergrounding is primarily proposed to continue the ongoing underground conversion program and also because the area meets California Public Utilities Commission rules dictating the areas where a telephone company can underground their lines.

**Supplemental Information:** Revenues from others represent reimbursements from customers.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2009-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44 and Programs L-80, L-81.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance expenses due to retirement of facilities

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs				\$150,000		\$150,000
Construction Costs					\$2,000,000	\$2,000,000
Other						
<b>Total Budget Request</b>				\$150,000	\$2,000,000	\$2,150,000
Revenues:					\$800,000	\$800,000
Source of Funds:	Electric Fund with the following reimbursements: Others(\$800,000)					



# UG DISTRICT 41 - COLORADO/COWPER/ OREGON (EL-03001)

**Description:** This project includes design costs to underground the existing overhead distribution system in the area bounded by Colorado Avenue, Cowper Street, Oregon Expressway, and Middlefield Road. Undergrounding will be completed in FY 2006-07.

**Justification:** Benefits of undergrounding include system improvement, higher reliability, reduced tree trimming, and improved aesthetics. Undergrounding is primarily proposed to continue the ongoing underground conversion program and also because the area meets California Public Utilities Commission rules dictating the areas where a telephone company can underground their lines.

**Supplemental Information:** Revenues from others represents reimbursements from a telephone company of \$1,240,000 and from Cable TV of \$100,000.

### CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2004-2007
- **Percent Spent:** 30.51%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Programs L-80 and L-81.

### IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Screening of pad-mounted equipment will be included.
- **Operating:** Reduced overhead line maintenance costs.

### PRIOR YEARS

PY Budget	\$100,000
PY Actuals as of 12/31/2005	\$30,507

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$3,100,000	\$250,000				\$3,350,000
Other						
<b>Total Budget Request</b>	<b>\$3,100,000</b>	<b>\$250,000</b>				<b>\$3,350,000</b>
Revenues:	\$1,240,000	\$100,000				\$1,340,000
Source of Funds:	Electric Fund with the following reimbursements: Others(\$1,340,000)					

# CIP UG DISTRICT 42 - FAIRMEADOW AREA (EL-08001)

**Description:** This project will replace the existing overhead distribution system with an underground system in the Fairmeadow area roughly bounded by Alma, East Meadow, Mitchell Park, and Charleston. This project involves creating an Underground Utilities District and performing the work on a general benefit basis under the provisions of Utility Rule 17. This rule requires the Utilities to bear the cost of the distribution system and property owners to bear the cost of undergrounding the services.

**Justification:** Benefits of undergrounding include system improvement, higher reliability, reduced tree trimming, and improved aesthetics. Undergrounding is being proposed to continue the ongoing underground conversion program and also because the area meets the California Public Utilities Commission rules dictating the areas where a telephone company can underground their lines.

**Supplemental Information:** Revenues from others represent reimbursements by customers.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2007-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Programs L-80 and L-81.

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Screening of pad-mounted equipment will be included.
- **Operating:** Slight reduction in operating expense.

## PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs			\$200,000	\$3,500,000	\$520,000	\$4,220,000
Construction Costs						
Other						
<b>Total Budget Request</b>			\$200,000	\$3,500,000	\$520,000	\$4,220,000
Revenues:				\$1,400,000	\$100,000	\$1,500,000
Source of Funds:	Electric Fund with the following reimbursements: Others(\$1,500,000)					



# UG DISTRICT 45 - DOWNTOWN V (EL-06002)

**Description:** This project includes the design costs to underground the existing overhead distribution system in the area bounded by Alma Street, Everett Ave, Webster Street and Lytton Ave. In addition, overhead lines from Quarry Road Substation will also be placed underground as part of this district. Undergrounding will be completed in 2009-10, and the overhead system will be removed.

**Justification:** Benefits of undergrounding include system improvement, higher reliability, reduced tree trimming and improved aesthetics. Undergrounding is primarily proposed to continue the ongoing underground conversion program and also because the area meets California Public Utilities Commission rules dictating the areas where a telephone company can underground their lines.

**Consultant Services Scope:** Revenues from others represent reimbursements from customers.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2007-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Programs L-80 and L-81.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Screening of pad-mounted equipment will be included.
- **Operating:** Slight reduction in operating expense.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs		\$200,000				\$200,000
Construction Costs			\$2,500,000	\$150,000		\$2,650,000
Other						
<b>Total Budget Request</b>		\$200,000	\$2,500,000	\$150,000		\$2,850,000
Revenues:			\$1,500,000	\$60,000		\$1,560,000
Source of Funds:	Electric Fund with the following reimbursements: Others(\$1,560,000)					

# CIP UTILITY CONTROL CENTER UPGRADES (EL-06003)

**Description:** This project will make the following improvements to the Utility Control Center: upgrade the existing lighting system by replacing the lights and installing a drop ceiling, improve the operation map display by installing large video display panels, and improve system-wide security monitoring facilities.

**Justification:** The Utilities Control Center is used to coordinate the activities of the City's Electric Utility. Within the facility there are large maps for monitoring the control of the system, video surveillance feeds from other utility facilities and the Supervisory Control and Data Acquisition system. The first year of the proposed project will improve efficiency and operation of the room by improving the lighting. In later years the map displays and the surveillance facilities will be upgraded.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2005-2007
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy C-24.

**IMPACT ANALYSIS:**

- **Operating:** Improves operating efficiency.

**PRIOR YEARS**

PY Budget	\$100,000
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$10,000	\$10,000				\$20,000
Construction Costs	\$90,000	\$90,000				\$180,000
Other						
<b>Total Budget Request</b>	<b>\$100,000</b>	<b>\$100,000</b>				<b>\$200,000</b>
Revenues:						
Source of Funds:	Electric Fund					

# CIP UTILITY SITE SECURITY IMPROVEMENTS (EL-04012)

**Description:** This project will add electronic security systems at electrical utility sites, and install intrusion detectors and surveillance equipment at electric substations, water pumping plants and reservoirs, and gas stations.

**Justification:** The project will address increased security concerns regarding utility sites and systems. A utility site assessment has been completed and this CIP will be implementing the recommendations in the the site assessment report.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2004-2007
- **Overall Project Completion:** 10%
- **Percent Spent:** 5.56%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-40.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.

**PRIOR YEARS**

PY Budget	\$290,000
PY Actuals as of 12/31/2005	\$16,133

**FUTURE FINANCIAL REQUIREMENTS**

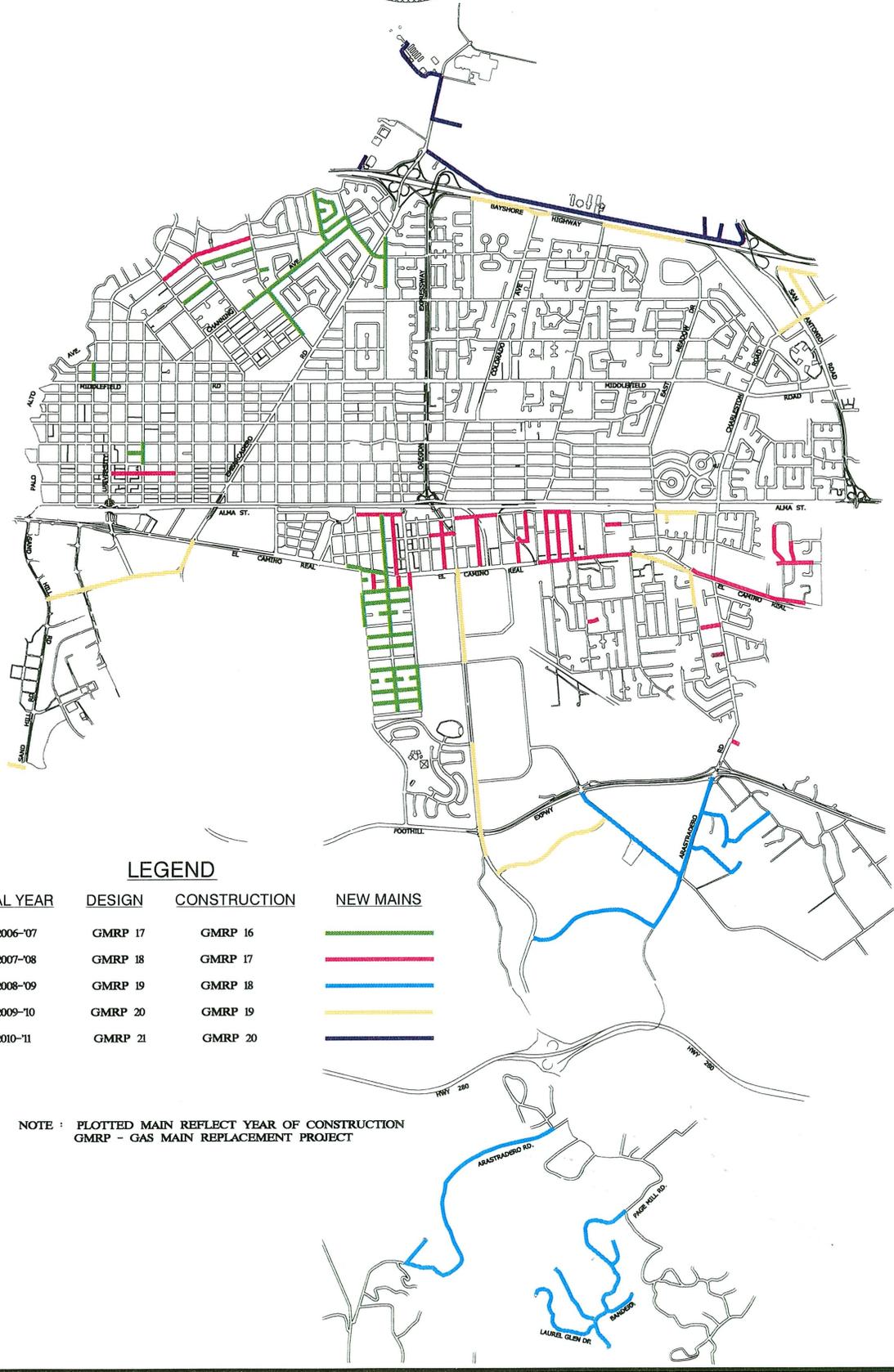
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$600,000					\$600,000
Other						
<b>Total Budget Request</b>	<b>\$600,000</b>					<b>\$600,000</b>
Revenues:	\$450,000					\$450,000
Source of Funds:	Electric Fund with the following reimbursements: Gas Fund(\$90,000); Water Fund(\$360,000)					



**Gas Fund**



  
 City of Palo Alto  
**GAS UTILITY 2006-2011**  
 Capital Improvement Program



**LEGEND**

FISCAL YEAR	DESIGN	CONSTRUCTION	NEW MAINS
FY 2006-07	GMRP 17	GMRP 16	
FY 2007-08	GMRP 18	GMRP 17	
FY 2008-09	GMRP 19	GMRP 18	
FY 2009-10	GMRP 20	GMRP 19	
FY 2010-11	GMRP 21	GMRP 20	

NOTE : PLOTTED MAIN REFLECT YEAR OF CONSTRUCTION  
 GMRP - GAS MAIN REPLACEMENT PROJECT



# CIP DIRECTIONAL BORING MACHINE (GS-02013)

**Description:** This project purchases a new directional boring machine every 4 years for small diameter mains and service line installations. These purchases include a complete stand-alone boring system capable of installing small diameter mains and one-inch diameter gas services. The purchases will include all ancillary equipment required to complete the installation of new service lines including: boring unit, down hole tooling, drilling mud system, and tracking devices for drill head location.

**Justification:** Due to the success of the directional boring machine purchased in fiscal year 1996-97, it has become apparent that a smaller unit would allow use of this technology in areas that it could not access otherwise. Continually adding and maintaining equipment will further expand the City's ability to install service lines with directional boring methods, thereby decreasing overall surface impacts, customer inconvenience, and installation costs.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44.

**IMPACT ANALYSIS:**

- **Environmental:** None
- **Design Elements:** None
- **Operating:** Reduces expenses for installation of mains and services.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$165,000	\$35,000		\$40,000	\$185,000	\$425,000
<b>Total Budget Request</b>	<b>\$165,000</b>	<b>\$35,000</b>		<b>\$40,000</b>	<b>\$185,000</b>	<b>\$425,000</b>
Revenues:						
Source of Funds:	Gas Fund					



# DIRECTIONAL BORING EQUIPMENT (GS-03007)

**Description:** This project will fund the purchase of additional equipment for WGW Operations to assist with installing and locating new gas services by using directional boring methods. Increased use of directional boring and rotary backhoe drills to install gas facilities will reduce both damage to surface improvements (sidewalks, paving, landscaping, etc.) and associated restoration costs. Continued use of directional boring construction requires an additional replacement tooling program.

**Justification:** This equipment will supplement the directional boring equipment purchased in fiscal years 1996-97 and 2000-01 by providing updated locating equipment for Operations and Engineering staff. The equipment includes: backhoe rotary drilling for keyhole excavations (FY 06-07), a rock drill bit capable of penetrating sandstone and more consolidated soils, drill head tracking system, and a back reamer to expand the bore path and allow larger product lines to be installed with reduced tension.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** None
- **Operating:** Reduces expenses for installation of mains and services.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$83,000		\$56,000		\$60,000	\$199,000
<b>Total Budget Request</b>	<b>\$83,000</b>		<b>\$56,000</b>		<b>\$60,000</b>	<b>\$199,000</b>
Revenues:						
Source of Funds:	Gas Fund					

# CIP GAS METERS AND REGULATORS (GS-80019)

**Description:** This project installs meters and regulators to serve new customers and replaces existing meters and regulators when required. Regulators with relief valves will be provided. Modifications and replacements to distribution system meter sets are made at the rate of about 2,000 meter and regulator sets per year. New electronic pressure and temperature compensating meters are installed at high use customer sites in order to increase measurement accuracy and allow monitoring of real-time gas flow.

**Justification:** New meters and regulators are required to safely serve new customers and to replace units that cannot be repaired economically. The meter replacement program reduces revenue loss due to under-registering gas meters and supplies customers with accurate monthly bills. Maintaining a large meter (675 cubic feet per hour and larger) exchange cycle of 10 years and a residential meter exchange cycle of 17 - 20 years will reduce the annual revenue loss from under-registering meters.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** None
- **Operating:** Reduces maintenance on meters and increases revenue.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$262,000	\$270,000	\$278,000	\$286,000	\$297,000	\$1,393,000
<b>Total Budget Request</b>	<b>\$262,000</b>	<b>\$270,000</b>	<b>\$278,000</b>	<b>\$286,000</b>	<b>\$297,000</b>	<b>\$1,393,000</b>
Revenues:						
Source of Funds:	Gas Fund					



# GAS SYSTEM EXTENSIONS (GS-80017)

**Description:** This project extends the gas distribution system to provide gas service to new customers and augments service to customers with increased natural gas demands. Improvements include new mains, services, valves, regulators, meters, and accessories. Some new services will be installed by contract construction to reduce the City's response time to new service requests.

**Justification:** This ongoing project upgrades infrastructure to provide gas service connections to new customers, meet changes in existing customer service demands, and respond to changes in gas service requirements due to new development or redevelopment.

**Supplemental Information:** Revenue from others represent reimbursements from customers.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Project will be coordinated with Public Works.
- **Operating:** Project will reduce future maintenance and expenses.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$563,000	\$580,000	\$597,000	\$615,000	\$633,000	\$2,988,000
Other						
<b>Total Budget Request</b>	<b>\$563,000</b>	<b>\$580,000</b>	<b>\$597,000</b>	<b>\$615,000</b>	<b>\$633,000</b>	<b>\$2,988,000</b>
Revenues:	\$563,000	\$580,000	\$597,000	\$615,000	\$633,000	\$2,988,000
Source of Funds:	Gas Fund with the following reimbursements: Others(\$2,988,000)					

# CIP GMR - PROJECT 16 (GS-06001)

**Description:** This project replaces leaking, inadequately sized, and structurally deficient Acrylonitrile-Butadiene-Styrene (ABS) gas mains and services as a first priority. By researching the maintenance and leak histories of the mains in the gas distribution system, staff identifies mains and services with these problems. This gas system analysis, along with computer modeling of the proposed improvements to the gas distribution system, is used to select candidates for main replacement.

**Justification:** Gas mains must be replaced when leaks present a potential safety hazard and when repair are no longer cost effective. Cathodic protection of steel mains continues, but as mains corrode, such protection has decreased effectiveness. The GMR program was increased from 7K to 20K linear feet per year in FY 1992-93 and increased again to 30K linear feet per year in FY 1999-2000. The completion of the ABS GMR program will occur in 2011, 4 years earlier than planned. 132,000 Ln. Ft. ABS remain.

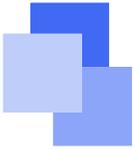
**Supplemental Information:** Base on the bids received GMR 16 may include: Dana - Center to Newell; Pitman - Lincoln to Center; Louisa Ct. - Newell to End; Channing - Hutchinson to Greer; Newell - Channing to Hopkins; Rhodes - Channing to Edgewood; Hillbar - Rhodes to Rhodes; Alannah Ct. - All; Hamilton - Rhodes to Greer; Greer - Hamilton to N. California; N. California - Bellview to Embarcadero; College - Park to Princeton; College — Hanover to Amherst; Stanford — Cornell to Yale; California — Amherst to Hanover; Yale — Stanford to California; Williams — Stanford to California; Wellesley — College to Stanford; Princeton - Stanford to California; Oberlin — Stanford to California; Hanover — Stanford to California; Dartmouth — Stanford to California; Columbia — Stanford to California; Bowdoin — Stanford to California; ECR - Leland to California; Stanford Ct. — Stanford to End; Forest — Bryant to Waverley; Gillman — Hamilton to Forest; Lytton — Middlefield to Guinda. 132,000 Linear feet of ABS remain.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2009
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Project will reduce future maintenance and other expenses.
- **Telecommunications:** None



# GMR - PROJECT 16 (GS-06001)

*continued*

## PRIOR YEARS

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$5,110,000					\$5,110,000
Other						
<b>Total Budget Request</b>	<b>\$5,110,000</b>					<b>\$5,110,000</b>
Revenues:						
Source of Funds:	Gas Fund					

# CIP GMR - PROJECT 17 (GS-07002)

**Description:** This project replaces leaking, inadequately sized, and structurally deficient Acrylonitrile-Butadiene-Styrene (ABS) gas mains and services as a first priority. By researching the maintenance and leak histories of the mains in the gas distribution system, staff identifies mains and services with these problems. This gas system analysis, along with computer modeling of the proposed improvements to the gas distribution system, is used to select candidates for main replacement.

**Justification:** Gas mains must be replaced when leaks present a potential safety hazard and when repair are no longer cost effective. Cathodic protection of steel mains continues, but as mains corrode, such protection has decreased effectiveness. The GMR program was increased from 7K to 20K linear feet per year in FY 1992-93 and increased again to 30,000 linear feet per year in FY 1999-2000. The completion of the ABS GMR program will occur in 2011, 4 years earlier than planned. 102,000 Ln. Ft. ABS remain.

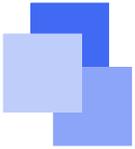
**Supplemental Information:** Based on the bids received GMR 17 may include: Cass Way — Barron to End; Margarita — ECR to Park; Matadero — ECR to Park; Wilton — ECR to Park; Park — Margarita to Wilton; ECR - Fernando to Los Robles.; Second — Ventura to End; Chestnut — Park to Ash; Lambert — Ash to ECR; Clemo — Maybell to Arastradero; Cherry Oak — Arastradero to End; Alta Vista Cemetery — Arastradero to End; Park — Page Mill to Portage; Olive — Park to ECR; Sheridan — ECR to Park; Birch — Grant to Page Mill; Hamilton — Lincoln to Newell; Ramona - University to Channing; Miller — Adobe Creek to Monroe(eastern).; Monroe(western) — ECR to End; Monroe(eastern) — Miller to End; ECR - Tennessee to City Limit; Park — Stanford to California; Cambridge — Yale to Park; Oxford — ECR to Yale; California — Yale to ECR; ECR - Leland to California. 102,000 ln. ft. ABS remain.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2008
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44.

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Project will reduce future maintenance and other expenses.
- **Telecommunications:** None



# GMR - PROJECT 17 (GS-07002)

*continued*

## PRIOR YEARS

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$408,000					\$408,000
Construction Costs		\$5,259,000				\$5,259,000
Other						
<b>Total Budget Request</b>	<b>\$408,000</b>	<b>\$5,259,000</b>				<b>\$5,667,000</b>
Revenues:						
Source of Funds:	Gas Fund					

# CIP GMR - PROJECT 18 (GS-08011)

**Description:** This project replaces leaking, inadequately sized, and structurally deficient Acrylonitrile-Butadiene-Styrene (ABS) gas mains and services as a first priority. By researching the maintenance and leak histories of the mains in the gas distribution system, staff identifies mains and services with these problems. This gas system analysis, along with computer modeling of the proposed improvements to the gas distribution system, is used to select candidates for main replacement.

**Justification:** Gas mains must be replaced when leaks present a potential safety hazard and when repair are no longer cost effective. Cathodic protection of steel mains continues, but as mains corrode, such protection has decreased effectiveness. The GMR program was increased from 7,000 to 20,000 linear feet per year in FY 1992-93 and increased again to 30,000 linear feet per year in FY 1999-2000. The completion of the ABS GMR program will occur in 2011, 4 years earlier than planned.

**Supplemental Information:** Based on bids received GMR18 may include: Manuela Ct. - Old Trace to Manuela Ave; Old Adobe - Arastradero to End; Old Trace - Old Adobe to Arastradero; Arastradero - Foothill to City Limit; Deer Creek - Page Mill to Arastradero; Hillview - Arastradero to Foothill; Alexis — All; Country Club — All; Bandera — All; Laurel Glenn — All; Golf Course Feed — All; Arastradero — 8½ Steel to End. (72,000 linear feet remain.)

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2007-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44.

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Project will reduce future maintenance and other expenses.
- **Telecommunications:** None

## PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs		\$420,000				\$420,000
Construction Costs			\$5,408,000			\$5,408,000
Other						
<b>Total Budget Request</b>		\$420,000	\$5,408,000			\$5,828,000
Revenues:						
Source of Funds:	Gas Fund					

# CIP GMR - PROJECT 19 (GS-09002)

**Description:** This project replaces leaking, inadequately sized, and structurally deficient Acrylonitrile-Butadiene-Styrene (ABS) gas mains and services as a first priority. By researching the maintenance and leak histories of the mains in the gas distribution system, staff identifies mains and services with these problems. This gas system analysis, along with computer modeling of the proposed improvements to the gas distribution system, is used to select candidates for main replacement under this program.

**Justification:** Gas mains must be replaced when leaks present a potential safety hazard or when leak repair is no longer cost effective. Cathodic protection of steel mains is being maintained, but as mains corrode, such protection has decreased effectiveness. The main replacement program was increased from 7,000 to 20,000 linear feet per year in FY 1992-93 and increased again to 30,000 linear feet per year in FY 1999-2000. The completion of the ABS GMR program will occur in 2011, 4 years earlier than planned.

**Supplemental Information:** Based on bids received GMR19 may include: Page Mill — ECR to Hanover; Page Mill — HP Service to Station 3; Coyote Hill — Page Mill to Hillview; Oak Creek Apts. — Main Service off Sand Hill; Arboretum — Sand Hill to Quarry; Galvez/Arboretum — Sand Hill to Quarry; Transport — Industrial to San Antonio; Commercial — East Charleston to Transport; East Charleston — Fabian to Industrial; West Bayshore - Amarillo to Matadero Creek; West Bayshore — Loma Verde to 101 Undercrossing; ECR — Los Robles to Maybell; Davenport — Park to End; Park — West Meadow to Tennessee; Maybell — ECR to Pena. 42,000 linear feet ABS remain.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2008-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44.

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Project will reduce future maintenance and other expenses.
- **Telecommunications:** None

## PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs			\$432,000			\$432,000
Construction Costs				\$5,556,000		\$5,556,000
Other						
<b>Total Budget Request</b>			<b>\$432,000</b>	<b>\$5,556,000</b>		<b>\$5,988,000</b>
Revenues:						
Source of Funds:	Gas Fund					

# CIP GMR - PROJECT 20 (GS-10001)

**Description:** This project replaces leaking, inadequately sized, and structurally deficient (thin walled) ABS gas mains and services. By researching the maintenance and leak histories of the mains in the gas distribution system, staff identifies mains and services with these problems. This gas system analysis, along with computer modeling of the proposed improvements to the gas distribution system and coordination with Public Works Paving CIP, is used to select candidates for main and service replacement.

**Justification:** This project will replace the remaining approximately 12,000 linear feet of thin walled ABS pipe and start the targeted replacement of ABS service off steel mains. The goal of the accelerated infrastructure replacement program is to replace all of the remaining thin walled ABS gas mains and services in the gas distribution system. This project is mandatory due to the need to replace aging infrastructure and to reduce the City's liability exposure to these thin walled ABS gas facilities.

**Supplemental Information:** Based on bids received GMR 20 may include: East Bayshore — Embarcadero to San Antonio; Faber Place — Embarcadero to End; Embarcadero — Faber to End; PA Airport — Entire system including golf course; Laura — East Bayshore to End; Corporation Way — All; Elwell Ct. — All.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2009-2015
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Project will reduce future maintenance and other expenses.
- **Telecommunications:** None

## PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs				\$444,000	\$5,700,000	\$6,144,000
Construction Costs						
Other						
<b>Total Budget Request</b>				<b>\$444,000</b>	<b>\$5,700,000</b>	<b>\$6,144,000</b>
Revenues:						
Source of Funds:	Gas Fund					

**CIP GMR - PROJECT 21 (GS-11000)**

**Description:** This project replaces leaking, inadequately sized, and structurally deficient (thin walled) ABS gas mains and services. By researching the maintenance and leak histories of the mains in the gas distribution system, staff identifies mains and services with these problems. This gas system analysis, along with computer modeling of the proposed improvements to the gas distribution system and coordination with Public Works Paving CIP, is used to select candidates for main and service replacement.

**Justification:** This project will replace the remaining thin walled ABS gas service pipe and continue the targeted replacement of ABS service off steel mains. The goal of the accelerated infrastructure replacement program is to replace all of the remaining thin walled ABS gas services in the gas distribution system. This project is mandatory due to the need to replace aging infrastructure and to reduce the City's liability exposure to these thin walled ABS gas facilities.

**Supplemental Information:** Targeted streets will be coordinated with Public Works Street Maintenance program to replace ABS services before the streets are paved.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2010-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-47 and N-63

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Project will reduce future maintenance and other expenses.
- **Telecommunications:** None

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs					\$457,000	\$457,000
Construction Costs						
Other						
<b>Total Budget Request</b>					<b>\$457,000</b>	<b>\$457,000</b>
Revenues:						
Source of Funds:	Gas Fund					

# CIP POLYETHYLENE FUSION EQUIPMENT (GS-03008)

**Description:** This project purchases new polyethylene fusion equipment. The new equipment will replace existing equipment which is nearing the end of its useful life of two years. This equipment is used to fuse together pipe joints in the City's gas distribution system that utilizes polyethylene pipe.

**Justification:** The PE fusion equipment has a useful life of two years. As the equipment ages, the quality of the fusion joints begins to decline, and the operators must spend more time scraping, aligning, and fusing construction joints. In order to maintain high quality standards for the installation of City gas mains, along with the associated service standards and worker productivity measures, this equipment requires replacement every two years.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2006-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44.

**IMPACT ANALYSIS:**

- **Environmental:** None
- **Design Elements:** None
- **Operating:** Reduces expenses for installation of mains and services.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$27,000		\$30,000		\$32,000	\$89,000
<b>Total Budget Request</b>	<b>\$27,000</b>		<b>\$30,000</b>		<b>\$32,000</b>	<b>\$89,000</b>
Revenues:						
Source of Funds:	Gas Fund					



# CIP SYSTEM EXTENSIONS - UNREIMBURSED (GS-03009)

**Description:** This project replaces existing sections of the gas distribution system to continue providing gas service to existing customers. Improvements include replacement of existing main sections, services, valves, regulators, meters, and accessories. Some new services may be installed by contract construction to reduce the City's response time to new service requests.

**Justification:** This project replaces gas distribution and existing customer service infrastructure. Existing gas service connections are replaced by the Gas Utility to maintain customer service. This project will capture non-reimbursed capital assets installed by staff. Some installations may be performed by contract to speed the installation process and reduce overtime expenses. Contracting some services for capital work requests beyond the capacity of City crews will improve response time.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-44

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** None
- **Operating:** Project will reduce future maintenance and other expenses.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$169,000	\$174,000	\$180,000	\$185,000	\$191,000	\$899,000
Other						
<b>Total Budget Request</b>	<b>\$169,000</b>	<b>\$174,000</b>	<b>\$180,000</b>	<b>\$185,000</b>	<b>\$191,000</b>	<b>\$899,000</b>
Revenues:						
Source of Funds:	Gas Fund					



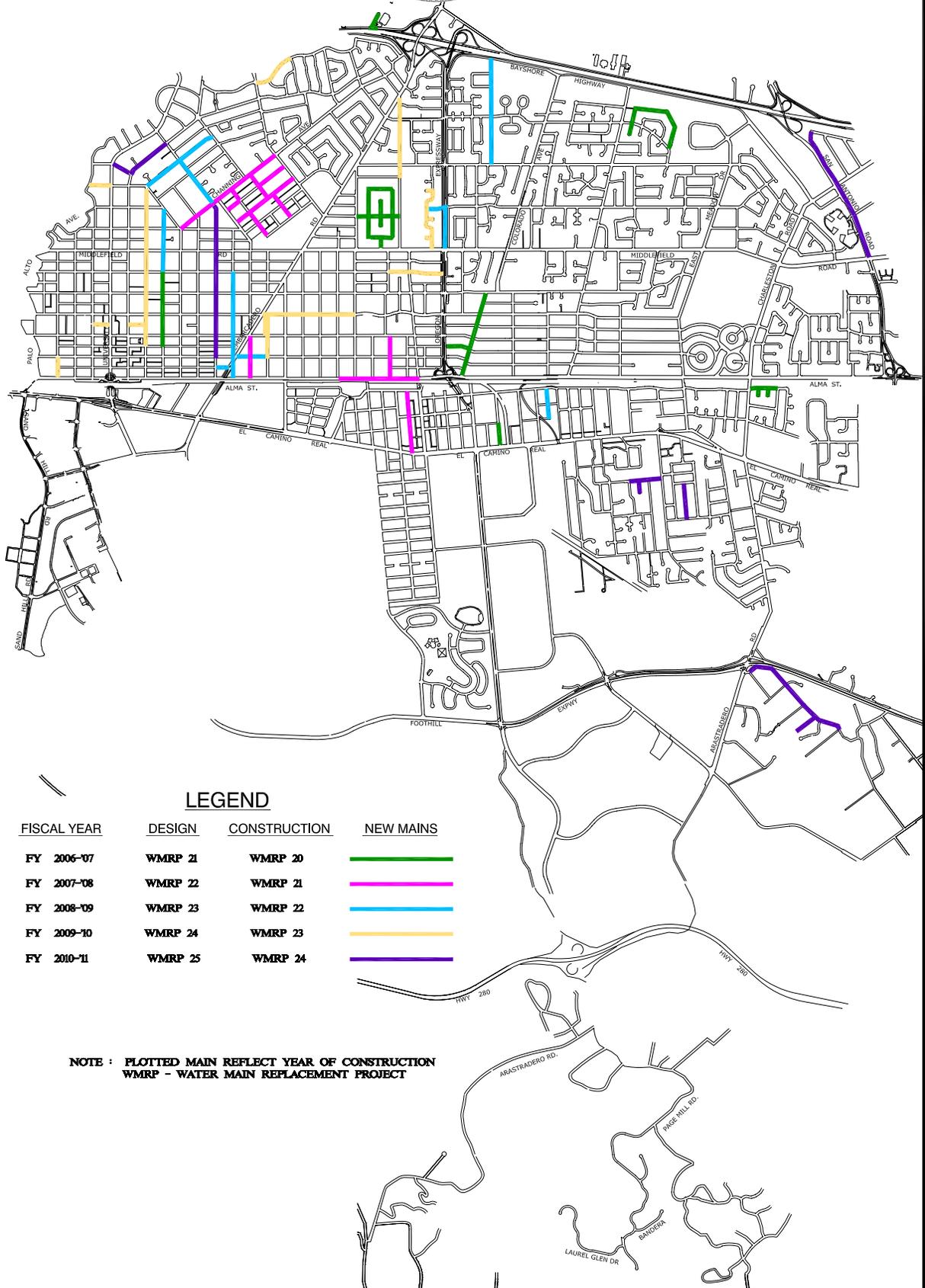
**Water Fund**



City of Palo Alto

# WATER UTILITY 2006-2011

Capital Improvement Program



## LEGEND

FISCAL YEAR	DESIGN	CONSTRUCTION	NEW MAINS
FY 2006-07	WMRP 21	WMRP 20	Green line
FY 2007-08	WMRP 22	WMRP 21	Pink line
FY 2008-09	WMRP 23	WMRP 22	Blue line
FY 2009-10	WMRP 24	WMRP 23	Yellow line
FY 2010-11	WMRP 25	WMRP 24	Purple line

NOTE : PLOTTED MAIN REFLECT YEAR OF CONSTRUCTION  
WMRP - WATER MAIN REPLACEMENT PROJECT



# CIP SEISMIC WATER TANK VALVE (WS-09000)

**Description:** The January 1987 Seismic Evaluation of Water Reservoirs conducted by Beyaz & Patel, Inc. recommended automatic seismic shut-off valves to contain water stored in foothill tanks, backup power supplies, relocation of overflow pipes, flexible joints at the inlet/outlet pipe connections of all steel tanks, and reinforcement of the interior pipe columns for Park and Monte Bello tanks. The locations are at Corte Madera, Boronda, Park, Dahl, and Montebello reservoirs.

**Justification:** Palo Alto's water tanks have no protection from water loss in a seismic event. If an earthquake causes a significant water leak, various impacts could occur: loss of water for fire fighting purposes, loss of water storage for drinking, property damage from flooding, environmental damages, and possible mudslides causing significant property damage. The seismic protection systems will preserve potable water after a seismic event.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2008-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-19

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** This project is coordinated with Public Works.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** None

## PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs			\$250,000			\$250,000
Construction Costs				\$550,000		\$550,000
Other						
<b>Total Budget Request</b>			<b>\$250,000</b>	<b>\$550,000</b>		<b>\$800,000</b>
Revenues:						
Source of Funds:	Water Fund					

# CIP WATER REGULATION STATION IMPROVEMENTS (WS-07000)

**Description:** Fourteen underground vaults and two above-ground water regulation facility locations will be improved. The improvements include pipe coating, wall sealing, vault door replacement, lighting, valve replacement, and electrical upgrades. Project work locations include Page Mill, Arastradero, California, Charleston, Mayfield, Hillview, Hewlett, Foothill 6, Foothill 7, Corte Madera, Boronda, Park, Dahl, Montebello vaults, Dahl booster and Lytton.

**Justification:** These critical components in the water system require various improvements to increase reliability, safety and to prolong their service life. The SFPUC turnouts are the main source of water supply to Palo Alto residents and need maintenance improvements. The pressure regulating stations protect pipelines from over-pressurization, which prevents water main breaks and customer outages. The electrical systems for these facilities need to be improved for staff safety.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2008
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-19

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** This project is coordinated with Public Works.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** None

## PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$320,000					\$320,000
Construction Costs		\$710,000				\$710,000
Other						
<b>Total Budget Request</b>	<b>\$320,000</b>	<b>\$710,000</b>				<b>\$1,030,000</b>
Revenues:						
Source of Funds:	Water Fund					

# CIP WATER METERS (WS-80015)

**Description:** This ongoing project includes purchasing meters for new customers, upgrading meters for current customers, installing meter bypasses and replacing obsolete meters that are no longer repairable. This project also tests and calibrates selected water meters annually.

**Justification:** This project will maintain meter accuracy, reliability, and stock meter equipment and replacement parts. The City has an ongoing meter repair and replacement program. Meter replacements enhance information on system water volume, align the utility's 10 year meter testing and replacement cycle with AWWA M6 recommendations, and provide accurate data for the Water Utility billing system. Additional meters will be purchased for new and replacement irrigation systems.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-19

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** None
- **Operating:** Reduces water meter maintenance & increases accuracy.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$185,000	\$191,000	\$197,000	\$203,000	\$209,000	\$985,000
Other						
<b>Total Budget Request</b>	<b>\$185,000</b>	<b>\$191,000</b>	<b>\$197,000</b>	<b>\$203,000</b>	<b>\$209,000</b>	<b>\$985,000</b>
Revenues:						
Source of Funds:	Water Fund					

# CIP WATER SERVICE HYDRANT REPLACEMENT (WS-80014)

**Description:** This project replaces system control valves, deteriorated galvanized service lines, lead goosenecks, and fire hydrant valves and assemblies as a result of Fire Department flow testing; upgrades fire hydrants in main replacement project areas; and replaces existing undersized or deteriorated copper water services. Upgrading hydrants and system control valves is consistent with fire protection policies.

**Justification:** In order to maintain a high water quality standard for Palo Alto's water supplies, it is necessary to replace old, lead, galvanized, and corroded copper water service lines when found. The City has made a concerted effort to replace lead and galvanized service lines, but periodically these service lines are discovered and need to be replaced.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-19

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Screening may be required on above-grade equipment.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$140,000	\$143,000	\$146,000	\$149,000	\$152,000	\$730,000
Other						
<b>Total Budget Request</b>	<b>\$140,000</b>	<b>\$143,000</b>	<b>\$146,000</b>	<b>\$149,000</b>	<b>\$152,000</b>	<b>\$730,000</b>
Revenues:						
Source of Funds:	Water Fund					

# CIP WATER SYSTEM EXTENSIONS (WS-80013)

**Description:** This project is needed due to the fact that system extensions are required to provide service to new customers and to serve existing customers requesting expanded service. These improvements include new main extensions, valves, domestic services, meters on upgraded services, backflow devices, fire services, and fire hydrants. Some new services will be installed by contract construction to reduce the City's response time for new services.

**Justification:** Some new service installations will be contracted out to speed service installations and reduce overtime expenses. Contracted service installations will augment City forces in extending and upgrading infrastructure to provide new or expanded water connections for new developments and redevelopments. Having a contractor on-call to install excess work beyond City crew capacity will make the City more responsive to spikes in service requests without staff overtime.

**Supplemental Information:** "Others" represents revenues from connection fees and other service call fees. Included in this revenue is \$500,000 capacity fees. The addition of capacity charge fee among their user charge fees was approved by City Council in July 1, 2005. Capacity fees are collected to cover the proportionate cost of system improvements required to serve the new customers. Excess of revenues over expenditures are closed to the rate stabilization reserve.

## CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-19.

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** None
- **Operating:** Decrease in system maintenance and increased revenue.
- **Telecommunications:** None

## PRIOR YEARS

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$323,000	\$333,000	\$343,000	\$353,000	\$364,000	\$1,716,000
Other						
<b>Total Budget Request</b>	<b>\$323,000</b>	<b>\$333,000</b>	<b>\$343,000</b>	<b>\$353,000</b>	<b>\$364,000</b>	<b>\$1,716,000</b>
Revenues:	\$823,000	\$833,000	\$843,000	\$853,000	\$864,000	\$4,216,000
Source of Funds:	Water Fund with the following reimbursements: Others(\$4,216,000)					

**NEW**



# WATER SYSTEM PORTABLE EMERGENCY GENERATORS (WS-07004)

**Description:** This project will replace three 1980 vintage generators with new 400KW generators over the next 3 years. The existing two 250 and one 350 KW units are not large enough to provide emergency power at the rebuilt foothill booster stations. The new stations will have 200 hp motors and require the larger units for safe starting and reliable operation. The generators will be moved from site to site to manage the emergency water supply and service levels.

**Justification:** This project will maintain emergency water supply reliability, provide annual maintenance, calibration and purchase replacement parts for generators. The City has an ongoing emergency water supply program. Emergency generator replacements enhance system water supply reliability. These generators will be able to power the new foothill booster station pumps, the new emergency wells, the rehabilitated wells and the rebuilt Mayfield Pump Station.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-19

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** None
- **Operating:** Supports operations and increase water supply reliability.

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$10,000	\$10,000	\$10,000			\$30,000
Construction Costs	\$120,000	\$122,000	\$124,000			\$366,000
Other						
<b>Total Budget Request</b>	<b>\$130,000</b>	<b>\$132,000</b>	<b>\$134,000</b>			<b>\$396,000</b>
Revenues:						
Source of Funds:	Water Fund					
Council Policy Direction:	Invest in utility infrastructure to deliver reliable service.					

# CIP W-G-W UTILITY GIS DATA (WS-02014)

**Description:** This project will improve the ability of Palo Alto's utilities to use the citywide Geographic Information System (GIS). As with other GIS activities, continuing the completion of data-related tasks is the primary emphasis. Because field personnel still need accurate paper maps in the field, standard map books will be produced that meet their specific needs. Funding is also included to improve the GIS user interface to better serve the unique requirements of utility department users.

**Justification:** The Geographic Information System has grown from being a set of special purpose computer applications to being an information tool that serves all segments of the City. Initially used only by a few highly skilled technicians and engineers, GIS applications are now available to any City staff members who request them. Applications have been developed which make GIS information accessible to hundreds of users, greatly increasing the value of the system.

**Supplemental Information:** The additional project funding request in FY06-07 of \$200,000 will be used to support the updating of WGW mapping systems, reduce the mapping backlog and to develop a database transfer method for updating the GIS system.

## CIP FACTS:

- **Continuing**
- **Managing Department:** Utilities
- **Comprehensive Plan:** Program T-10.

## IMPACT ANALYSIS:

- **Environmental:** This is not a project under CEQA.
- **Design Elements:** None
- **Operating:** None
- **Telecommunications:** None

## PRIOR YEARS

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$230,000	\$30,000	\$40,000			\$300,000
Other						
<b>Total Budget Request</b>	<b>\$230,000</b>	<b>\$30,000</b>	<b>\$40,000</b>			<b>\$300,000</b>
Revenues:	\$153,334	\$20,000	\$26,666			\$200,000
Source of Funds:	Water Fund with the following reimbursements: Gas Fund(\$100,000); Wastewater Collection Fund(\$100,000)					

# CIP WMR - PROJECT 20 (WS-06002)

**Description:** As the water distribution system ages, it becomes necessary to replace structurally deficient water mains and appurtenances. Some mains are inadequate in size to supply required flows and pressures for fire protection and others are subject to recurring breaks. Mains are selected by researching the maintenance history of the system and identifying mains that are undersized, corroded, and subject to breaks. Based on this analysis staff has developed a program to accelerate main replacements.

**Justification:** The rate of main replacement was increased from one mile per year to a rate of three miles per year in FY 1993-94. In addition, an analysis of cost effective system improvements was initiated in FY 1993-94. This analysis helped determine the best materials and construction methods to use with a goal of reducing the accelerated main replacement program's cost. The program to replace 75 miles of deficient mains started in 1993 and planned for completion in 2018 (25 year period).

**Supplemental Information:** Based on bids received Project 20 may include: Colorado Ave. - from Alma St. to Cowper St., Darlington Ct. — from Park Blvd. to End, E. Bayshore Rd. - from 2047 E. Bayshore Rd. to 151 Laura Ln., Greenwich Place — from Begin to End, Homer Ave. — from Emerson St. to Webster St., Kenneth Dr. — from Greer Rd. to Greer Rd., New Berry Ct. — from Park Blvd. to End, Newell Road — from Seale Ave. to N. California Ave., Northampton Dr. — Portal Pl. to End, Olive Ave. — from El Camino Real to Ash St., Park Blvd. — from Charleston Rd. to Edlee Ave., Portal Place — from Middlefield Rd. to End, Ramona St. — from Oregon Expressway to Colorado Ave., Southampton Dr. — from Portal Place to End. Approximately 42 miles of the total 226 miles of the City's water main are still in need of replacement or rehabilitation.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2005-2007
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-19

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$2,500,000					\$2,500,000
Other						
<b>Total Budget Request</b>	<b>\$2,500,000</b>					<b>\$2,500,000</b>
Revenues:						
Source of Funds:	Water Fund					

# CIP WMR - PROJECT 21 (WS-07003)

**Description:** As the water distribution system ages, it becomes necessary to replace structurally deficient water mains and appurtenances. Some mains are inadequate in size to supply required flows and pressures for fire protection and others are subject to recurring breaks. Mains are selected by researching the maintenance history of the system and identifying those that are undersized, corroded, or subject to break. Based on this analysis staff has developed a program to accelerate main replacements.

**Justification:** The rate of main replacement was increased from one mile per year to a rate of three miles per year in FY 1993-94. In addition, an analysis of cost effective system improvements was initiated in FY 1993-94. This analysis helped determine the best materials and construction methods to use with a goal of reducing the accelerated main replacement program's cost. The program to replace 75 miles of deficient mains started in 1993 and planned for completion in 2018 (25 year period).

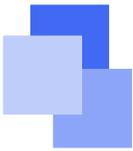
**Supplemental Information:** Based on bids received Project 21 may include: Alma Street — from Tennyson to North California, Cambridge Ave. — from El Camino Real to Park Blvd., Cedar St. — from Harker Ave. to Hopkins Ave., Channing Ave. — from Addison Ave. to Newell Rd., Greenwood Ave. — from Melville Ave. to Harriet St., Greenwood Ave. — from Hutchinson Ave. to Newell Rd., Harker Ave. — from Melville Ave. to Newell Rd., Harriet St. — from Channing Ave. to Greenwood Ave., Harriet St. — from Harker Ave. to Hopkins Ave., Hewlett Subdivision Main — from Adj. to Page Mill Rd. to near Boronda Reservoir, Hutchinson Ave. — from Harker Ave. to Channing Ave., Melville Ave. — from Alma St. to Bryant St., Santa Rita Ave. — from Alma St. to Bryant St. Approximately 39 miles of the original project's 75 miles of Cast Iron Pipe are still in need of replacement or rehabilitation. There are a total of 226 miles of water mains in the City's system.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-19

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** None



# WMR - PROJECT 21 (WS-07003)

*continued*

## PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$226,000					\$226,000
Construction Costs		\$2,700,000				\$2,700,000
Other						
<b>Total Budget Request</b>	<b>\$226,000</b>	<b>\$2,700,000</b>				<b>\$2,926,000</b>
Revenues:						
Source of Funds:	Water Fund					

# CIP WMR - PROJECT 22 (WS-08017)

**Description:** As the water distribution system ages, it becomes necessary to replace structurally deficient water mains and appurtenances. Some mains are inadequate in size to supply required flows and pressures for fire protection and others are subject to recurring breaks. Mains are selected by researching the maintenance history of the system and identifying those that are undersized, corroded, and subject to breaks. Based on this analysis, staff has developed a program to accelerate main replacements.

**Justification:** The rate of main replacement was increased from one mile per year to a rate of three miles per year in FY 1993-94. In addition, an analysis of cost effective system improvements was initiated in the same year. This analysis helped determine the best materials and construction methods to use with a goal of reducing the accelerated main replacement program's cost. The program to replace 75 miles of deficient mains started in 1993, and is planned for completion in 2018 (25 year period).

**Supplemental Information:** Based on bids received Project 22 may include: Amarillo Ave. — from Louis Rd. to W. Bayshore, Chestnut Ave. — from Park Blvd. To Ash St., Emerson St. — from Kingsley Ave. to Kellogg Ave., Forest Ave. — from Boyce Ave. to Center St., High St. — from Lincoln Ave. to Embarcadero Rd., Homer Ave. — from Webster St. to Boyce Ave., Kingsley Ave. — from Alma St. to Middlefield, Lincoln Ave. — from Forest Ave. to Channing Ave., Oregon Ave. — from Middlefield Rd. to Ross Rd., Ross Rd. - Garland Dr. to Oregon Ave. Approximately 36 miles of the total 226 miles in the City's water distribution system are still in need of replacement or rehabilitation. Each year the projects are evaluated and the highest priority is given to the most deteriorated portions of the system.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2007-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-19

**IMPACT ANALYSIS:**

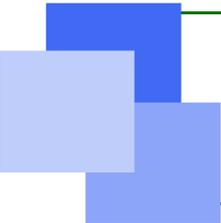
- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs		\$233,000				\$233,000
Construction Costs			\$2,500,000			\$2,500,000
Other						
<b>Total Budget Request</b>		<b>\$233,000</b>	<b>\$2,500,000</b>			<b>\$2,733,000</b>
Revenues:						
Source of Funds:	Water Fund					



# CIP WMR - PROJECT 23 (WS-09001)

**Description:** As the water distribution system ages, it becomes necessary to replace structurally deficient water mains and appurtenances. Some mains are inadequate in size to supply required flows and pressures for fire protection, and others are subject to recurring breaks. Mains are selected by researching the maintenance history of the system and identifying those that are undersized, corroded, and subject to breaks. Based on this analysis, staff has developed a program to accelerate main replacements.

**Justification:** The rate of main replacement was increased from one mile per year to three miles per year in FY 1993-94. In addition, an analysis of cost effective system improvements was initiated in the same year. This analysis helped determine the best materials and construction methods to use with a goal of reducing the accelerated main replacement program's cost. The program to replace 75 miles of deficient mains started in 1993 and is planned for completion in 2018 (25 year period).

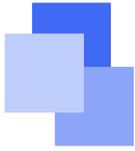
**Supplemental Information:** Based on bids received Project 23 may include: East Pl.— from Garland Dr. to End, Edgewood Dr.— from Newell Rd. to Jefferson Dr., Florence St. - from Lytton Ave. to University Ave. , Forest Ave. — from Ramona St. to Hale St., Garland Dr. — from Middlefield Rd. to 857 Garland Dr., Gilman St. — from Hamilton Ave. to Forest Ave., Hale St. — from Palo Alto Ave. to University Ave., Kellogg Ave. — from Emerson St. to Waverley St.; N. California Ave. — from Barbara Dr. to Embarcadero Rd., Waverley St. — from Embarcadero Rd. to Seale Ave., Webster St. — from Santa Rita Ave. to Oregon Expressway, West Pl. — from Garland Dr. to End. Approximately 36 miles of the total 226 miles in the City's water distribution system are still in need of replacement or rehabilitation. Each year the projects are evaluated and the highest priority is given to the most deteriorated portions of the system.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2008-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-19

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** None



# WMR - PROJECT 23 (WS-09001)

*continued*

## PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs			\$240,000			\$240,000
Construction Costs				\$2,600,000		\$2,600,000
Other						
<b>Total Budget Request</b>			\$240,000	\$2,600,000		\$2,840,000
Revenues:						
Source of Funds:	Water Fund					

# CIP WMR - PROJECT 24 (WS-10001)

**Description:** As the water distribution system ages, it becomes necessary to replace structurally deficient water mains and appurtenances. Some mains are inadequate in size to supply required flows and pressures for fire protection, and others are subject to recurring breaks. Mains are selected by researching the maintenance history of the system and identifying those that are undersized, corroded, and subject to breaks. Based on this analysis, staff has developed a program to accelerate main replacements.

**Justification:** The rate of main replacement was increased from one mile per year to three miles per year in FY 1993-94. In addition, an analysis of cost effective system improvements was initiated in the same year. This analysis helped determine the best materials and construction methods to use with a goal of reducing the accelerated main replacement program's cost. The program to replace 75 miles of deficient mains started in 1993 and is planned for completion in 2018 (25 year period).

**Supplemental Information:** Based on bids received Project 24 may include: Cereza Drive — from Amaranta Ave. to Solana Drive, Chaucer St. — from University Ave. to Hamilton Ave., Hamilton Ave. — from Chaucer St. to Lincoln Ave., La Donna St. — from Paul Ave. to Robles Ave., Lincoln Ave. — from Emerson St. to Channing Ave., Manuela Ave. — from Arastradero to West End, Manuela Way — from Manuela Ave. to End, San Antonio Rd. — from Transport St. to Middlefield Rd., San Jude Ave. — from La Donna St. to End Approximately 33 miles of the total 226 miles in the City's water distribution system are still in need of replacement or rehabilitation. Each year the projects are evaluated and the highest priority is given to the most deteriorated portions of the system.

## CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2009-2012
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy N-19.

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** None

## PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs				\$292,000		\$292,000
Construction Costs					\$2,700,000	\$2,700,000
Other						
<b>Total Budget Request</b>				\$292,000	\$2,700,000	\$2,992,000
Revenues:						
Source of Funds:	Water Fund					

**CIP WMR - PROJECT 25 (WS-11000)**

**Description:** As the water distribution system ages, it becomes necessary to replace structurally deficient water mains and appurtenances. Some mains are inadequate in size to supply required flows and pressures for fire protection, and others are subject to recurring breaks. Mains are selected by researching the maintenance history of the system and identifying those that are undersized, corroded, and subject to breaks. Based on this analysis, staff has developed a program to accelerate main replacements.

**Justification:** The rate of main replacement was increased from one mile per year to three miles per year in FY 1993-94. In addition, an analysis of cost effective system improvements was initiated in the same year. This analysis helped determine the best materials and construction methods to use with a goal of reducing the accelerated main replacement program's cost. The program to replace 75 miles of deficient mains started in 1993 and is planned for completion in 2018 (25 year period).

**Supplemental Information:** Based on bids received Project 25 may include: Alma Street — from El Camelo to East Meadow, Center St. — from University Ave. to Hamilton Ave., Everett Ave. — from Alma St. to Middlefield Rd., Hawthorne Ave. — from Alma St. to Middlefield Rd., Lytton Ave. — from Cowper St. to Webster St., Seale Ave. — from Middlefield Rd. to Embarcadero Rd., University Ave. — from East Crescent Dr. to End Approximately 33 miles of the total 226 miles in the City's water distribution system are still in need of replacement or rehabilitation. Each year the projects are evaluated and the highest priority is given to the most deteriorated portions of the system.

**CIP FACTS:**

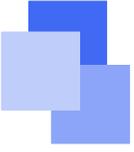
- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2010-2013
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-19

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** None

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs					\$292,000	\$292,000
Construction Costs						
Other						
<b>Total Budget Request</b>					<b>\$292,000</b>	<b>\$292,000</b>
Revenues:						
Source of Funds:	Water Fund					



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# Wastewater Collection Fund



# CIP SEWER MANHOLE REHAB/REPLACEMENT (WC-99013)

**Description:** This project will rehabilitate or replace defective sewer laterals and manholes that are identified during the City's routine maintenance activities on the Wastewater Collection System. The work will help to reduce groundwater infiltration into the wastewater collection system and reduce the City's treatment expenses. This project will also clean and videotape sewer collection mains and laterals as necessary.

**Justification:** The City performs routine annual maintenance on the Wastewater Collection System. Information collected during maintenance activities is used to prioritize work on the collection system. Defective laterals, for example, will be replaced to re-establish existing services, reduce maintenance expenses and eliminate ground water intrusion into the collection system. New manholes will be installed where needed, and others will be replaced or rehabilitated to improve structural integrity.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-18.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Reduces future maintenance expenses.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$200,000
Construction Costs	\$360,000	\$360,000	\$360,000	\$360,000	\$360,000	\$1,800,000
Other						
<b>Total Budget Request</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$2,000,000</b>
Revenues:						
Source of Funds:	Wastewater Collection Fund					

# CIP SEWER SYSTEM EXTENSIONS (WC-80020)

**Description:** This project provides for the installation of sewer lateral connections, additions of existing mains, and extensions of mains for new or existing customers.

**Justification:** It is necessary to provide sewer connections to serve new customers and to respond to changes in sewer requirements due to redevelopment. Old existing non-plastic sewer service laterals become cracked and broken by tree root intrusion, ground movement, and third party excavation damages requiring the laterals to be replaced. Some new service installations will be done via external contract in order to speed the installation process and reduce internal overtime expense.

**Supplemental Information:** \$500,000 added each year to revenues for Capacity Fees.

## CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-18

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Trenching work will be coordinated with Public Works.
- **Operating:** Reduces future maintenance expenses.
- **Telecommunications:** None

## PRIOR YEARS

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$367,000	\$378,000	\$389,000	\$401,000	\$413,000	\$1,948,000
Other						
<b>Total Budget Request</b>	<b>\$367,000</b>	<b>\$378,000</b>	<b>\$389,000</b>	<b>\$401,000</b>	<b>\$413,000</b>	<b>\$1,948,000</b>
Revenues:	\$867,000	\$878,000	\$889,000	\$901,000	\$913,000	\$4,448,000
Source of Funds:	Wastewater Collection Fund with the following reimbursements: Others(\$4,448,000)					

# CIP WW COLLECTION SYS. REHAB/AUG. PROJECT 19 (WC-06003)

**Description:** These projects implement high priority rehabilitation, augmentation, and lateral replacement work which reduces inflow of rainfall and ground water into the collection system. The project will be comprised of streets identified in the Master Plan or video inspection work as deficient and in need of enlargement or rehabilitation.

**Justification:** The 2004 Collection System Master Plan update indicated certain facilities are in need of enlargement to handle growth and peak flows. The mains selected for replacement and/or rehabilitation are determined by the recommendations of the Master Plan Study; by research and analysis of sewer main maintenance records; by cleaning and videotaping of sanitary sewer mains; by condition assessment; by real time flow monitoring of existing sewers; and by hydraulic computer modeling.

**Supplemental Information:** Project will bid in March 2006.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Design
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-18

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Reduces future maintenance expenses.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$3,335,000					\$3,335,000
Other						
<b>Total Budget Request</b>	<b>\$3,335,000</b>					<b>\$3,335,000</b>
Revenues:						
Source of Funds:	Wastewater Collection Fund					



# WW COLLECTION SYS. REHAB/AUG. PROJECT 20 (WC-07004)

**Description:** These projects implement high priority rehabilitation, augmentation, and lateral replacement work which reduces inflow of rainfall and ground water into the collection system. The project will be comprised of streets identified in the Master Plan or video inspection work as deficient and in need of enlargement or rehabilitation.

**Justification:** The 2004 Collection System Master Plan update indicated certain facilities are in need of enlargement to handle growth and peak flows. The mains selected for replacement and/or rehabilitation are determined by the recommendations of the Master Plan Study; by research and analysis of sewer main maintenance records; by cleaning and videotaping of sanitary sewer mains; by condition assessment; by real time flow monitoring of existing sewers; and by hydraulic computer modeling.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2006-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-18

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Reduces future maintenance expenses.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$255,000					\$255,000
Construction Costs		\$2,400,000				\$2,400,000
Other						
<b>Total Budget Request</b>	<b>\$255,000</b>	<b>\$2,400,000</b>				<b>\$2,655,000</b>
Revenues:						
Source of Funds:	Wastewater Collection Fund					

# CIP WW COLLECTION SYS. REHAB/AUG. PROJECT 21 (WC-08012)

**Description:** These projects implement high priority rehabilitation, augmentation, and lateral replacement work which reduces inflow of rainfall and ground water into the collection system. The project will be comprised of streets identified in the Master Plan or video inspection work as deficient and in need of enlargement or rehabilitation.

**Justification:** The 2004 Collection System Master Plan update indicated certain facilities are in need of enlargement to handle growth and peak flows. The mains selected for replacement and/or rehabilitation are determined by the recommendations of the Master Plan Study; by research and analysis of sewer main maintenance records; by cleaning and videotaping of sanitary sewer mains; by condition assessment; by real time flow monitoring of existing sewers; and by hydraulic computer modeling.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2008-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-18

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Reduces future maintenance expenses.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs		\$265,000				\$265,000
Construction Costs			\$2,600,000			\$2,600,000
Other						
<b>Total Budget Request</b>		\$265,000	\$2,600,000			\$2,865,000
Revenues:						
Source of Funds:	Wastewater Collection Fund					



# WW COLLECTION SYS. REHAB/AUG. PROJECT 22 (WC-09001)

**Description:** These projects implement high priority rehabilitation, augmentation, and lateral replacement work which reduces inflow of rainfall and ground water into the collection system. The project will be comprised of streets identified in the Master Plan or video inspection work as deficient and in need of enlargement or rehabilitation.

**Justification:** The 2004 Collection System Master Plan update indicated certain facilities are in need of enlargement to handle growth and peak flows. The mains selected for replacement and/or rehabilitation are determined by the recommendations of the Master Plan Study; by research and analysis of sewer main maintenance records; by cleaning and videotaping of sanitary sewer mains; by condition assessment; by real time flow monitoring of existing sewers; and by hydraulic computer modeling.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2009-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-18

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Reduces future maintenance expenses.
- **Telecommunications:** None

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs			\$270,000			\$270,000
Construction Costs				\$2,575,000		\$2,575,000
Other						
<b>Total Budget Request</b>			\$270,000	\$2,575,000		\$2,845,000
Revenues:						
Source of Funds:	Wastewater Collection Fund					

**NEW**

**CIP** WW COLLECTION SYS. REHAB/AUG.  
PROJECT 23 (WC-10002)

**Description:** These projects implement high priority rehabilitation, augmentation, and lateral replacement work which reduces inflow of rainfall and ground water into the collection system. The project will be comprised of streets identified in the Master Plan or video inspection work as deficient and in need of enlargement or rehabilitation.

**Justification:** The 2004 Collection System Master Plan update indicated certain facilities are in need of enlargement to handle growth and peak flows. The mains selected for replacement and/or rehabilitation are determined by the recommendations of the Master Plan Study; by research and analysis of sewer main maintenance records; by cleaning and videotaping of sanitary sewer mains; by condition assessment; by real time flow monitoring of existing sewers; and by hydraulic computer modeling.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2009-2012
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-18.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Reduces future maintenance expenses.
- **Telecommunications:** None

FUTURE FINANCIAL REQUIREMENTS						
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs				\$280,000		\$280,000
Construction Costs					\$2,650,000	\$2,650,000
Other						
<b>Total Budget Request</b>				\$280,000	\$2,650,000	\$2,930,000
Revenues:						
Source of Funds:	Wastewater Collection Fund					

**NEW**



**WW COLLECTION SYS. REHAB/AUG.  
PROJECT 24 (WC-11000)**

**Description:** These projects implement high priority rehabilitation, augmentation, and lateral replacement work which reduces inflow of rainfall and ground water into the collection system. The project will be comprised of streets identified in the Master Plan or video inspection work as deficient and in need of enlargement or rehabilitation.

**Justification:** The 2004 Collection System Master Plan update indicated certain facilities are in need of enlargement to handle growth and peak flows. The mains selected for replacement and/or rehabilitation are determined by the recommendations of the Master Plan Study; by research and analysis of sewer main maintenance records; by cleaning and videotaping of sanitary sewer mains; by condition assessment; by real time flow monitoring of existing sewers; and by hydraulic computer modeling.

**CIP FACTS:**

- **New**
- **Project Status:** Other
- **Timeline:** FY 2010-2013
- **Managing Department:** Utilities
- **Comprehensive Plan:** Policy N-18.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA
- **Design Elements:** Coordinated with Public Works Street Maintenance Program.
- **Operating:** Reduces future maintenance expenses.
- **Telecommunications:** None

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs					\$290,000	\$290,000
Construction Costs						
Other						
<b>Total Budget Request</b>					<b>\$290,000</b>	<b>\$290,000</b>
Revenues:						
Source of Funds:	Wastewater Collection Fund					



**Refuse Fund**



**NEW**

# **CIP** LANDFILL CLOSURE (RF-11001)

**Description:** This project provides for closure of the last remaining open area at the landfill (Phase 2C). Work includes engineering and construction of final cover and configuration of environmental control systems on 51 acres of the landfill.

**Justification:** The landfill is scheduled to close in 2011. This is the final phase of that closure with all regulatory and environmental controls. The project is funded by the Refuse Fund Rate Stabilization Reserve which will be reimbursed by the Closure/Postclosure Fund once approved by the State.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2011-2012
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-7

**IMPACT ANALYSIS:**

- **Environmental:** Negative Declaration will require City Council approval.
- **Design Elements:** Design is not subject to ARB review.
- **Operating:** Postclosure maintenance will be required.

<b>FUTURE FINANCIAL REQUIREMENTS</b>						
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs					\$3,325,000	\$3,325,000
Other						
<b>Total Budget Request</b>					<b>\$3,325,000</b>	<b>\$3,325,000</b>
Revenues:						
Source of Funds:	Refuse Fund					

**NEW**



# RELOCATION OF LANDFILL FACILITIES (RF-07001)

**Description:** This project will relocate the existing tollbooth, scale and administrative trailer at the landfill in order to begin landfill closure. Design and construction will occur in FY 2008.

**Justification:** As indicated in the Baylands Master Plan, the landfill is scheduled to be closed in approximately 2011. Relocating existing landfill tollbooth, scale and administrative trailer is necessary to complete filling and to begin closure activity in the area where they are currently located.

**CIP FACTS:**

- **New**
- **Project Status:** Design
- **Timeline:** FY 2007-2008
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-7

**IMPACT ANALYSIS:**

- **Environmental:** Will require further environmental review.
- **Operating:** ASD for interim cash handling procedures.
- **Telecommunications:** IT for interim telephone and computer needs.

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$1,000,000				\$1,000,000
Other						
<b>Total Budget Request</b>		<b>\$1,000,000</b>				<b>\$1,000,000</b>
Revenues:						
Source of Funds:	Refuse Fund					



**Wastewater Treatment Fund**



**NEW**

# **CIP** DISINFECTION FACILITY IMPROVEMENT PROGRAM (WQ-06014)

**Description:** This Project will lead to the replacement of chlorine use for disinfection of Plant effluent. The project will include facility planning, environmental review, life cycle assessment, funding/institutional agreements, permitting, design, and construction of an Ultraviolet Disinfection System (UV).

**Justification:** The RWQCP embarked on a project entitled the Disinfection Alternatives Work Plan because the plant presently uses chlorine gas, a conventional but controversial chemical, to disinfect its treated water prior to discharge to the Bay. Through the fall of 2004 and 2005, the RWQCP met with the Long-Term Goals Study stakeholders to provide a forum for stakeholder involvement and input. The committee came to consensus to begin the process of developing and implementing the conversion to UV.

**CIP FACTS:**

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2007-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-25 and Program N-37

**IMPACT ANALYSIS:**

- **Environmental:** Environmental review will be performed
- **Design Elements:** Consultant Design elements will be required

<b>FUTURE FINANCIAL REQUIREMENTS</b>						
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs	\$120,000	\$500,000				\$620,000
Design Costs			\$1,000,000			\$1,000,000
Construction Costs						
Other						
<b>Total Budget Request</b>	<b>\$120,000</b>	<b>\$500,000</b>	<b>\$1,000,000</b>			<b>\$1,620,000</b>
Revenues:						
Source of Funds:	Wastewater Treatment Fund					



# FACILITY CONDITION ASSESSMENT & RETROFIT (WQ-04011)

**Description:** This project will assess the structural condition and retrofit the existing plant facilities for safe shelters and containment to sustain reliable plant operations through year 2020. The facilities will be divided into three groups. One group of facilities will be evaluated each year for a phased retrofit over a seven year period.

**Justification:** To ensure that the plant continues to provide reliable services, the facilities need to be retrofitted to a good structural condition, to withstand the corrosive environment and provide safe shelters through emergencies.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2004-2009
- **Overall Project Completion:** 30%
- **Percent Spent:** 14.02%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Goal N-4 and Policy N-25.

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15301 of CEQA.
- **Design Elements:** There will be a design for structural repairs.

**PRIOR YEARS**

PY Budget	\$1,750,000
PY Actuals as of 12/31/2005	\$245,405

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000	\$100,000	\$100,000			\$300,000
Other						
<b>Total Budget Request</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>			<b>\$300,000</b>
Revenues:						
Source of Funds:	Wastewater Treatment Fund					

# CIP PLANT EQUIPMENT REPLACEMENT (WQ-80021)

**Description:** This project replaces, as necessary, plant equipment in order to maintain treatment reliability.

**Justification:** Plant equipment requires periodic replacement in order to maintain reliability. The US Environmental Protection Agency regulations require equipment replacement funds to insure adequate treatment reliability and equipment maintenance.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 1980-2050
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-25

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15301 of CEQA.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$300,000	\$1,100,000	\$2,300,000	\$2,500,000	\$2,500,000	\$8,700,000
Other						
<b>Total Budget Request</b>	<b>\$300,000</b>	<b>\$1,100,000</b>	<b>\$2,300,000</b>	<b>\$2,500,000</b>	<b>\$2,500,000</b>	<b>\$8,700,000</b>
Revenues:						
Source of Funds:	Wastewater Treatment Fund					



# REPLACE EXISTING RECLAIMED WATER PIPE (WQ-04010)

**Description:** Mountain View to Moffet Water Recycling Pipeline Construction Project.

**Justification:** The plant operates a reclaimed water facility and delivers reclaimed water to various reuse sites. Under the plant's wastewater discharge permit, the plant is required to maintain its recycled water supply to those sites.

**Supplemental Information:** This project will replace the existing reclaimed water pipes from the water quality control plant to various existing reuse sites throughout its partner cities. Under this project, portions of the existing pipes will be replaced each year over a four year period. Work in the first two years will focus on the two existing pipes from the plant to Mountain View. Work in the third and fourth years will be scheduled based on the condition of the remaining pipes and the need at the reuse sites.

The replacement pipes will be upsized to provide additional capacity for future potential reclaimed water use, and some of the existing pipes may be extended to future potential reuse sites. The potential additional reuse qualifies the Plant to apply for Federal and State grants to cover part of the costs of the project. Additional funding is also being requested from the Santa Clara Valley Water District and other agencies.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2004-2009
- **Overall Project Completion:** 10%
- **Percent Spent:** 5.73%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Goal N-4, Policy N-25.

**IMPACT ANALYSIS:**

- **Environmental:** Projects are covered under the approved Program level EIR.
- **Design Elements:** The City Arborist will be consulted to protect mature trees.
- **Operating:** Included in Plant Operations

**PRIOR YEARS**

PY Budget	\$12,800,000
PY Actuals as of 12/31/2005	\$732,941

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$4,000,000	\$100,000	\$100,000			\$4,200,000
Other						
<b>Total Budget Request</b>	<b>\$4,000,000</b>	<b>\$100,000</b>	<b>\$100,000</b>			<b>\$4,200,000</b>
Revenues:	\$3,200,000					\$3,200,000
Source of Funds:	Wastewater Treatment Fund with the following reimbursements: Local Agency Grant(\$3,200,000)					

**NEW**

# **CIP** SLUDGE ASH PROCESSING AND BENEFICIAL USE (WQ-06013)

**Description:** This project makes modifications to the existing Ash handling system to screen clinkers out of the ash, thus improving its consistency and acceptability in manufacturing products.

**Justification:** We currently have only one contractor who is willing to accept the incinerator ash for beneficial use as a soil supplement on agricultural lands. There could be additional beneficial use options if the ash were of a higher consistency, such is necessary for the manufacturing of decorative bricks. This project will make modifications to the ash handling system to improve consistency and provide reliable moisture additions. The project will also investigate other reuse alternatives.

**CIP FACTS:**

- **New**
- **Project Status:** Design
- **Timeline:** FY 2007-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-25

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15301 of CEQA
- **Design Elements:** In house design of sieve system

<b>FUTURE FINANCIAL REQUIREMENTS</b>						
	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$400,000	\$800,000	\$100,000			\$1,300,000
Other						
<b>Total Budget Request</b>	<b>\$400,000</b>	<b>\$800,000</b>	<b>\$100,000</b>			<b>\$1,300,000</b>
Revenues:						
Source of Funds:	Wastewater Treatment Fund					

# CIP SYSTEM FLOW METER (WQ-80022)

**Description:** This project will replace system flow meters based on the Wastewater Fund's equipment replacement schedule.

**Justification:** Generally, magnetic flow meters, used to measure the flow of wastewater by magnetic field, have a life of ten years. At the end of ten years, reliability of the meters is uncertain. There are ten meters which require systematic replacement.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 1980-2050
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-25

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15301 of CEQA.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

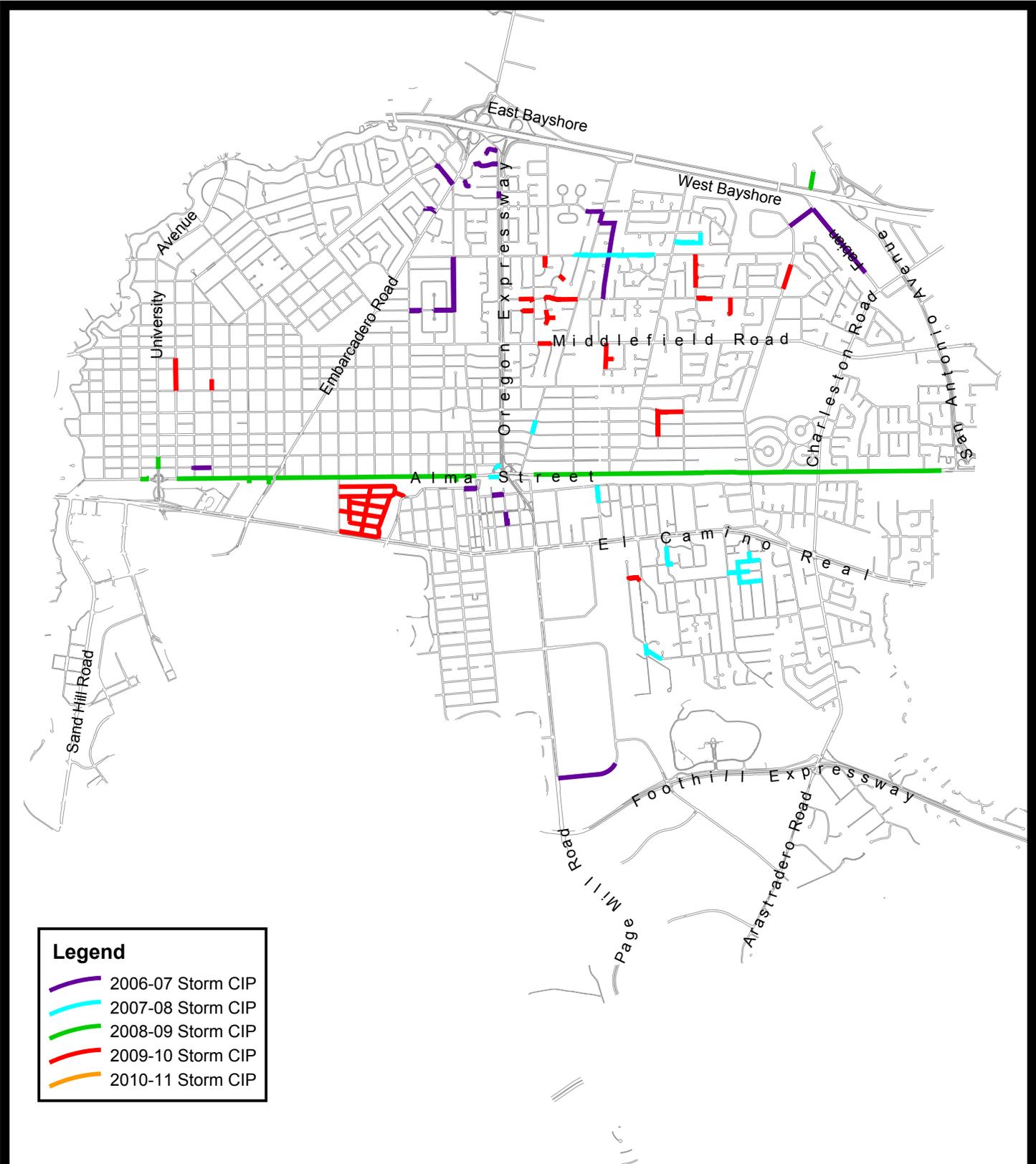
**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$400,000	\$100,000	\$100,000	\$100,000	\$100,000	\$800,000
Other						
<b>Total Budget Request</b>	<b>\$400,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$800,000</b>
Revenues:						
Source of Funds:	Wastewater Treatment Fund					



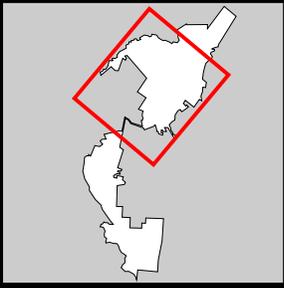
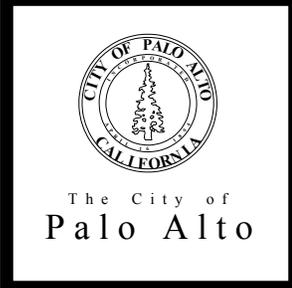
**Storm Drainage Fund**





**Legend**

-  2006-07 Storm CIP
-  2007-08 Storm CIP
-  2008-09 Storm CIP
-  2009-10 Storm CIP
-  2010-11 Storm CIP



## Storm Drain Utility 2006-2011 Capital Improvement Program

This map is a product of the  
City of Palo Alto GIS





0' 3500'



# CIP ALMA STREET STORM DRAIN IMPROVEMENTS (SD-08101)

**Description:** This project will improve the drainage along southbound lanes of Alma Street by installing up to 4,400 linear feet of new 12-inch to 36-inch storm drain pipe and drain inlets.

**Justification:** Alma Street is a heavily traveled and critical arterial roadway. During heavy rains, the outer southbound lane becomes flooded, creating inconvenient and unsafe conditions. It also results in numerous service calls to Public Works Operations that cause crews to be dispatched where they cannot alleviate the flooded conditions due to lack of drainage infrastructure.

**Supplemental Information:** This improvement is consistent with the priorities established with the voter-approved storm drain rate increase. The project will be reviewed with the Storm Drain Oversight Committee.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2008-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-24, Program N-36

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** This project is coordinated with street resurfacing program.
- **Operating:** Will result in reduced operating costs for Public Works Ops.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs		\$220,000				\$220,000
Construction Costs			\$1,370,000			\$1,370,000
Other						
<b>Total Budget Request</b>		\$220,000	\$1,370,000			\$1,590,000
Revenues:						
Source of Funds:	Storm Drainage Fund					



# CONNECT CLARA DRIVE STORM DRAINS TO MATADERO PUMP STATION (SD-06104)

**Description:** This project consists of the connection of an existing gravity outfall system to the Matadero Storm Water Pump Station through the installation of approximately 2,200 linear feet of 12-inch to 36-inch diameter storm drain along Clara Drive.

**Justification:** By connecting the gravity outfall to the existing pump station, this project will allow the discharge of storm runoff into the creek even when the creek water surface elevation is higher than the nearby ground surface elevations.

**Supplemental Information:** This improvement is consistent with the priorities established with the voter-approved storm drain rate increase. The project will be reviewed with the Storm Drain Oversight Committee.

## CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2006-2008
- **Overall Project Completion:** 10%
- **Percent Spent:** 0.10%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-24 and Program N-36

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** This project is coordinated with street resurfacing program.
- **Operating:** Will result in negligible increase in the operation expense.

## PRIOR YEARS

PY Budget	\$218,480
PY Actuals as of 12/31/2005	\$224

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$735,000					\$735,000
Other						
<b>Total Budget Request</b>	<b>\$735,000</b>					<b>\$735,000</b>
Revenues:						
Source of Funds:	Storm Drainage Fund					

# CIP INNOVATIVE STORM DRAIN IMPROVEMENTS (SD-06105)

**Description:** This project will fund innovative storm drain projects on public and private property. Project proponents will compete for grants to be funded by this program to install innovative projects that protect storm water quality and reduce the quantity of storm runoff.

**Justification:** This project implements a recommendation of the Storm Drain Blue Ribbon Task Force. The majority of proposed storm drain system improvement projects are designed to increase the system's capacity to convey storm runoff. Alternatively, this project will improve storm drain system performance by funding innovative measures that capture and slow down runoff from individual sites.

**Supplemental Information:** This improvement is consistent with the priorities established with the voter-approved storm drain rate increase. The project will be reviewed with the Storm Drain Oversight Committee.

## CIP FACTS:

- **Continuing**
  - **Project Status:** Other
  - **Timeline:** FY 2006-2011
  - **Overall Project Completion:** 0%
  - **Percent Spent:** 0.00%
  - **Managing Department:** Public Works
  - **Comprehensive Plan:** Policy N20 and Program N26, P21, N34
- ## IMPACT ANALYSIS:
- **Environmental:** Categorically exempt under Section 15302 of CEQA
  - **Design Elements:** Grant applicants may be subject to design review.
  - **Operating:** Will result in reduced operating costs for Public Works Ops

## PRIOR YEARS

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$128,000	\$125,000	\$125,000	\$125,000	\$125,000	\$628,000
<b>Total Budget Request</b>	<b>\$128,000</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$628,000</b>
Revenues:						
Source of Funds:	Storm Drainage Fund					



# SAN FRANCISQUITO CREEK STORM WATER PUMP STATION (SD-06102)

**Description:** This project implements the highest priority CIP project included in the Storm Drainage Fee increase approved in 2005. A new pump station will be constructed at the end of an existing 96" diameter storm drain outfall into San Francisquito Creek just downstream of Highway 101. This outfall drains a 1250-acre area of northeastern Palo Alto. The new pump station will be constructed within an existing easement granted to the City on land owned by Santa Clara Valley Water District.

**Justification:** The pump station will allow the discharge of storm runoff into the creek even when the creek water surface elevation is higher than the nearby ground surface elevations.

**Supplemental Information:** This improvement is consistent with the priorities established with the voter-approved storm drain rate increase. The project will be reviewed with the Storm Drain Oversight Committee.

### CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2006-2010
- **Overall Project Completion:** 10%
- **Percent Spent:** 1.80%
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers Policy N-24 and Program N-36
- **Board/Commission Review:** ARB

### IMPACT ANALYSIS:

- **Environmental:** An environmental impact assessment will be required.
- **Design Elements:** ARB review will be required for design elements.
- **Operating:** Will result in increased storm drain maintenance expense.
- **Telecommunications:** Will be connected to the City's SCADA system.

### PRIOR YEARS

PY Budget	\$949,920
PY Actuals as of 12/31/2005	\$17,136

### FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$3,750,000				\$3,750,000
Other						
<b>Total Budget Request</b>		<b>\$3,750,000</b>				<b>\$3,750,000</b>
Revenues:						
Source of Funds:	Storm Drainage Fund					

# CIP SOUTHGATE NEIGHBORHOOD STORM DRAIN IMPROVEMENTS (SD-10101)

**Description:** This project will improve the drainage within the Southgate neighborhood. The project consists of the construction of additional storm drain inlets, new pipelines, and curb and gutter repairs to eliminate street ponding in the Southgate neighborhood. This project will also accommodate storm runoff from the adjacent Palo Alto High School property.

**Justification:** The entire Southgate neighborhood, bounded by Churchill Avenue, the Caltrain Corridor, Park Boulevard, and El Camino Real, drains to a single storm drain inlet at the corner of Mariposa and Sequoia Avenues. There are no underground storm drain pipelines to serve the neighborhood, and there are many sections of uneven curb and gutter that pond water during rain events.

**Supplemental Information:** This improvement is consistent with the priorities established with the voter-approved storm drain rate increase. The project will be reviewed with the Storm Drain Oversight Committee.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2010-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-24 and Program N-36

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** This project is coordinated with street resurfacing program.
- **Operating:** Will result in reduced operating costs for Public Works Ops.

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs				\$300,000		\$300,000
Construction Costs				\$1,000,000	\$900,000	\$1,900,000
Other						
<b>Total Budget Request</b>				<b>\$1,300,000</b>	<b>\$900,000</b>	<b>\$2,200,000</b>
Revenues:						
Source of Funds:	Storm Drainage Fund					



# STORM DRAIN SYSTEM REPLACEMENT AND REHABILITATION (SD-06101)

**Description:** This project implements annual high-priority replacement and rehabilitation projects that will help maintain the integrity of the storm drain system. The projects will consist of the replacement or rehabilitation of deteriorated storm drain pipes, manholes, and storm drain inlets, as identified by a previous video inspection and condition assessment program.

**Justification:** The project will implement the recommendations established by the 1993 Storm Drain Condition Assessment Report. The specific pipes and drainage structures selected for replacement and/or rehabilitation will be determined based on their 1993 condition score.

**Supplemental Information:** This improvement is consistent with the priorities established with the voter-approved storm drain rate increase. The project will be reviewed with the Storm Drain Oversight Committee.

**CIP FACTS:**

- **Continuing**
- **Timeline:** FY 2006-2011
- **Overall Project Completion:** 0%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-24 and Program N-36

**IMPACT ANALYSIS:**

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** This project is coordinated with street resurfacing program.
- **Operating:** Will result in reduced storm drain maintenance expense.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$510,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,510,000
Other						
<b>Total Budget Request</b>	<b>\$510,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$2,510,000</b>
Revenues:						
Source of Funds:	Storm Drainage Fund					



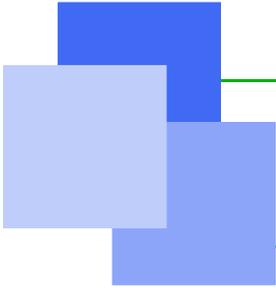
**OTHER FUND PROJECTS**



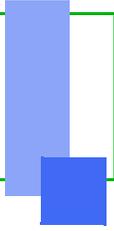


**Other Funds**





# Other Funds Overview - Capital Improvement Program



## An Overview

**C**apital Improvement Program (CIP) projects are also activities managed within the City's Internal Service Funds: the Technology and Vehicle Replacement Funds.

### Vehicle Replacement Fund

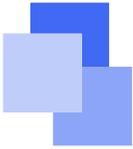
The Vehicle Replacement Fund has an adopted capital budget expense of \$4.5 million in 2006-07, which is a \$4.3 million increase from the prior year level. The increase is primarily attributed to a new CIP project "Schedule Vehicle and Equipment Replacements" with a proposed expense of \$3.6 million. In prior years, budget for vehicle and equipment replacements was included in the operating budget. This change in presentation will provide more transparency on planned equipment and vehicle purchases.

The Vehicle Replacement Fund has seven adopted projects in 2006-07 while in 2005-06, there were two projects. Some of the adopted projects in 2006-07 include Diesel Truck Engine Emissions Retrofits, MSC Equipment Washing Facility Upgrade and Replace City-wide Fuel Transaction, and Inventory Management System.

### Technology Fund

The Technology Fund has adopted capital budget expense of \$1.4 million in 2006-07, an increase of \$0.2 million from the prior year level. Five new projects were added this year while last year, there were three projects. Project "Emergency Notification System" is created in response to one of the City Council top three priorities. Other new adopted projects in 2006-07 include Bill and Payment Processing, CIS/SAP Transition, and Police Auto-Citation System.

In addition to new adopted projects, the Technology Fund has seven adopted continuing projects in 2006-07.



## Other Funds Overview - Capital Improvement Program

*continued*

### New Projects

New Projects that are being added to the adopted 2006-11 five-year are as follows:

#### Vehicle Replacement Fund

CIP NO.	Project Title
VR-07001	Automated Motor Pool Reservation and Vehicle Key Management System
VR-07002	Diesel Truck Engine Emissions Retrofits
VR-07800	Schedule Vehicle and Equipment Replacements

#### Technology Fund

CIP NO.	Project Title
TE-07003	Bill and payment Processing
TE-07000	CIS/SAP Transition
TE-07001	Emergency Notification System*
TE-07002	Police Auto-Citation System
TE-07004	Utilities Performance Measurement and Reporting Software

\* Top 3 Council priority

#### Projects Requiring Council Policy Direction

There are no projects in the Internal Service Funds that require Council Policy direction.



# Vehicle Replacement Fund





**AUTOMATED MOTOR POOL RESERVATION AND  
VEHICLE KEY MANAGEMENT SYSTEM  
(VR-07001)**

**Description:** Implement an automated pool vehicle reservation system utilizing an intranet-based reservation application and network-enabled key management cabinets.

**Justification:** One of Equipment Management's key responsibilities to maximize the utilization of the City's fleet vehicles. One of the best ways to do this is through the use of a motor pool. Equipment Management already operates a small motor pool; however, it should be expanded. In order to manage an expanded motor pool with existing staff, the reservation system must be automated. The cost of the automated system will be offset through the elimination of underutilized vehicles from the fleet.

**Supplemental Information:** In addition to the need for automating the reservation system, the motor pool must become a full cost-recovery operation. Currently, Equipment Management is absorbing all costs associated with the motor pool. Motor pool costs must be borne directly by the using departments, proportional to usage. The reservation system tracks usage by employee, so it is a simple matter to bill the client department.

Technology that has been used for many years in the car-share industry is now available for adaptation to motor pool operations. Equipment Management is currently running a demonstration of this technology at the Municipal Services Center. The system includes an intuitive reservation interface that can be accessed by any authorized City employee via a web browser. The reservation system communicates with the remote key cabinets over the City network. The key cabinets can be placed at any location where it would be appropriate to have a motor pool (Civic Center, Elwell Court, MSC).

**CIP FACTS:**

- **New**
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Program C-12

**IMPACT ANALYSIS:**

- **Operating:** Periodic hardware and software upgrades.
- **Telecommunications:** Use existing LAN and telephone infrastructure

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$60,000	\$20,000				\$80,000
Other						
<b>Total Budget Request</b>	<b>\$60,000</b>	<b>\$20,000</b>				<b>\$80,000</b>
Revenues:						
Source of Funds:	Vehicle Replacement Fund					

**CIP DIESEL TRUCK ENGINE EMISSIONS RETROFITS (VR-07002)**

**Description:** Retrofit specific diesel powered trucks in the City's vehicle fleet with emissions control devices as required by the California Air Resources Board's "Diesel Particulate Matter Control Measure for On-Road Heavy-Duty Diesel-Fueled Vehicles Owned or Operated by Public Agencies and Utilities."

**Justification:** The California Air Resources Board (CARB) is requiring that diesel engines in trucks with a gross vehicle weight rating (GVWR) of 14,000 pounds or greater be retrofitted with "Best Available Control Technology" (BACT), on a phased implementation schedule which commences January 1, 2006. BACT includes diesel particulate traps, oxidation catalysts, diesel fuel emulsions, and combinations thereof. There are few exemptions allowed under this new measure.

**Supplemental Information:** Under the CARB measure, trucks are grouped by engine model year (1960-1987, 1988-2002, 2003-2005). All of the City's pre-1988 trucks are exempt. There are 33 trucks in the 1988-2002 group. The measure requires that 20% of the vehicles in this group be retrofitted each year, beginning in 2006, and continuing until 100% have been retrofitted. Some of the trucks in this group will be replaced during 2006; however the CARB is requiring that "retired" vehicles be included in the total number from which the number of required retrofits is derived. According to the measure, 13 trucks will need to be retrofitted over the next two years. The actual cost of the retrofits is not currently known, but is estimated at \$20,000 - 25,000 per vehicle. At this time, there is no grant funding available to offset this cost; however, that may change as implementation begins. In addition to the retrofit cost, there is an ongoing cost for cleaning the particulate traps of approximately \$1,000 annually.

**CIP FACTS:**

- **New**
- **Timeline:** FY 2006-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-26 and N-27

**IMPACT ANALYSIS:**

- **Operating:** \$1,000 per year for each vehicle retrofitted.
- **Telecommunications:** Possible 802.11-spec wireless interface for data collection.

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$175,000	\$150,000				\$325,000
Other						
<b>Total Budget Request</b>	<b>\$175,000</b>	<b>\$150,000</b>				<b>\$325,000</b>
Revenues:						
Source of Funds:	Vehicle Replacement Fund					

# CIP MSC EQUIPMENT MAINTENANCE FACILITY STORAGE AREA (VR-01000)

**Description:** Design and construct spread footings to support mezzanine structures; install electric freight elevators on two of the mezzanine structures, and purchase racks, shelving, drawer units and other equipment necessary to organize and securely store tires, automotive parts and other inventory items.

**Justification:** During the plan check review process for this project, the Building Division determined spread footings would be required as part of the design. This was unexpected, since hundreds of free-standing mezzanines have been installed throughout California without footings. Staff's original plan for lifting and lowering items to and from the structures was by means of a forklift, or via stairs. However, it will be safer and more efficient to employ small electric freight elevators for this purpose.

**Supplemental Information:** Installation of these mezzanines will allow us to free up large sections of floor space that are currently being utilized for storage. This will partially alleviate the overcrowding that currently exists in the maintenance facility. Having this additional space will allow us to properly organize and store our extensive inventory of tires, automotive parts, lubricants and other supplies. In order to properly do this, an adequate number of shelves, racks, drawer units, and other storage equipment will be required. Much of the existing storage equipment is old, mismatched and was obtained through surplus. It needs to be replaced.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2005-2007
- **Percent Spent:** 36.90%
- **Managing Department:** Public Works

**IMPACT ANALYSIS:**

- **Design Elements:** Structural engineering consultant to design footings
- **Operating:** Periodic maintenance to freight elevators

**PRIOR YEARS**

PY Budget	\$225,000
PY Actuals as of 12/31/2005	\$83,026

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs	\$50,000					\$50,000
Design Costs						
Construction Costs						
Other						
<b>Total Budget Request</b>	<b>\$50,000</b>					<b>\$50,000</b>
Revenues:						
Source of Funds:	Vehicle Replacement Fund					

# CIP MSC EQUIPMENT WASHING FACILITY UPGRADE (VR-01002)

**Description:** This project will provide for the replacement of the existing wash pad at the City's Municipal Service Center (MSC). The new wash facility will be constructed in the current location of the existing fueling station and will have a larger wash water collection sump, an additional wash water storage tank, a new wash water treatment system, and will be enclosed in a concrete masonry unit (CMU) structure to prevent wash water runoff from entering the storm drain system.

**Justification:** The existing MSC Washing Facility is inadequate, overloaded and potentially violates the Federal Clean Water Act requirements for discharges to sewage treatment plants. The facility is utilized for cleaning of maintenance vehicles and other heavy equipment. Because these vehicles are often coated with mud and other heavy residue, the wash water is laden with sediment and solids, which overwhelm the undersized wash facility drain and sump. Frequent maintenance is required resulting in downtime.

**Supplemental Information:** The availability of this system is critical to users, and is an integral part of the equipment maintenance function. An additional \$250,000 in funding is requested due to higher than expected construction costs for the new facility.

Additional \$50,000 is requested to cover demolition of the existing fuel facility that is currently located on the site of this proposed wash facility.

## CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2001-2007
- **Overall Project Completion:** 30%
- **Percent Spent:** 19.54%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy N-21, N-23, N25

## IMPACT ANALYSIS:

- **Environmental:** Categorically exempt from CEQA under Section 15301
- **Design Elements:** Staff Level Review Complete
- **Operating:** Reduces cost of structural and systems maintenance.
- **Telecommunications:** Local area network for electronic authorization and security

## PRIOR YEARS

PY Budget	\$300,000
PY Actuals as of 12/31/2005	\$58,606

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$300,000					\$300,000
Other						
<b>Total Budget Request</b>	<b>\$300,000</b>					<b>\$300,000</b>
Revenues:						
Source of Funds:	Vehicle Replacement Fund					



# REPLACE CITY-WIDE FUEL TRANSACTION AND INVENTORY MANAGEMENT SYSTEM (VR-06801)

**Description:** Replace the existing Citywide vehicle fuel transaction and fuel inventory management system.

Implement an automated motor pool reservation and key issuing system.

**Justification:** All City fuel dispensing facilities are equipped with a vehicle fuel transaction and inventory management system, which uploads transaction data to a server located at the MSC. This system was installed in 1995, and was upgraded in 1999. The PC-based hardware is at the end of its useful life, and the current vendor has not been able to meet the established goals of providing fully automated fueling, or integration with the tank inventory management system.

**Supplemental Information:** The existing fuel management system is still marginally effective; however, it is prone to errors and requires an excessive amount of manual intervention. The vendor has fulfilled their original contractual obligations; however, the system has not evolved as anticipated. The fact that much of the hardware is at the end of its life-cycle presents an opportunity for us to move forward with current technology, which will allow us to meet our automation goals, and will provide better integration between the transaction and inventory management systems. This integration will provide much tighter control over the City's high value fuel inventory through automated daily inventory reconciliations. The ability to negotiate a new contract will ensure that our current goals are met within a definite timeframe.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Program C-12

**IMPACT ANALYSIS:**

- **Operating:** Periodic hardware and software upgrades
- **Telecommunications:** Use existing LAN and telephone infrastructure

**PRIOR YEARS**

PY Budget	\$0
PY Actuals as of 12/31/2004	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$200,000					\$200,000
Other						
<b>Total Budget Request</b>	<b>\$200,000</b>					<b>\$200,000</b>
Revenues:						
Source of Funds:	Vehicle Replacement Fund					

**NEW**



# SCHEDULED VEHICLE AND EQUIPMENT REPLACEMENTS (VR-07800)

**Description:** Scheduled replacement of existing City fleet vehicles and equipment for the 2006-07 fiscal year.

**Justification:** The ongoing replacement of City fleet vehicles and equipment is prescribed by City Policy and Procedures Section 4-01. The policy includes guidelines for these replacements based on age, mileage accumulation, and obsolescence. Timely replacement of vehicles lowers maintenance costs, insures the productivity of client departments, and allows advantage of new technology.

**Supplemental Information:** Fifty vehicles are scheduled for replacement in 2006-07, including 23 vehicles in the General Fund at a cost of \$1,386,000; 26 vehicles in the Enterprise Funds at a cost of \$2,196,000; and 1 vehicle in the Vehicle Replacement Fund at a cost of \$27,000.

The vehicle replacement schedule includes the following quantities and vehicle types: 11 sedans; 3 police patrol vehicles; 9 pickup trucks and vans; 2 miscellaneous light trucks; 3 fire apparatus; 3 street sweepers; 4 medium/heavy duty trucks; 12 miscellaneous equipment; and 3 trailers.

Significant purchases include two fire engines (\$780,000), two large loaders for the composting operation (\$400,000), two large street sweepers (\$300,000), a leaf packer truck (\$175,000), a large aerial device (\$200,000), and a patch truck (\$165,000).

**CIP FACTS:**

- **New**
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers Policy N-26; Program N-41

**IMPACT ANALYSIS:**

- **Operating:** Ongoing maintenance and replacement costs

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$3,609,000					\$3,609,000
Other						
<b>Total Budget Request</b>	<b>\$3,609,000</b>					<b>\$3,609,000</b>
Revenues:	\$3,582,000					\$3,582,000
Source of Funds:	Vehicle Replacement Fund with the following reimbursements: Electric Fund(\$312,000); Gas Fund(\$340,000); General Fund(\$1,386,000); Refuse Fund(\$992,000); Storm Drainage Fund(\$40,000); Wastewater Collection Fund(\$75,000); Wastewater Treatment Fund(\$27,000); Water Fund(\$410,000)					

# CIP VEHICLE MAINTENANCE FACILITY UPGRADES (VR-04010)

**Description:** For 2006-07; repair and epoxy coat the floor in the maintenance area (approximately 10,000 square feet), repaint walls in the maintenance area; purchase shelving, lockers and racks for the storage of automotive parts; purchase tire service equipment.

**Justification:** The floor in the maintenance area has endured 37 years of wear and tear, and is cracked, pockmarked, and grease soaked. This presents not only a safety hazard, but a potential environmental hazard. The walls in the main shop were last painted in 1994; walls in other areas have never been painted. Many tires are being stored on the floor, and parts inventory is being stored in temporary shipping containers. The tire changing machine and balancer were purchased in 1990 and need to be replaced.

## CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 40%
- **Percent Spent:** 32.58%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Project furthers Policy N-26 and Program N-40.

## IMPACT ANALYSIS:

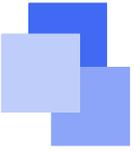
- **Operating:** There will need to be maintenance and testing as required

## PRIOR YEARS

PY Budget	\$210,000
PY Actuals as of 12/31/2005	\$68,424

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$100,000					\$100,000
<b>Total Budget Request</b>	<b>\$100,000</b>					<b>\$100,000</b>
Revenues:						
Source of Funds:	Vehicle Replacement Fund					



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**Technology Fund**



# CIP ACQUISITION OF NEW COMPUTERS (TE-99010)

**Description:** This project funds for the acquisition of new computers for the City. This is a placeholder for acquisition of new computers that are outside the replacement schedule.

**Justification:** This project is created to address the need to acquire new computers. The City implements a schedule to replace existing computers. However, in cases where there is a need to acquire computers outside the replacement schedule, this project pays for the acquisition. Funding of this project is determined by the originating department. Enterprise Funds and General Fund could reimburse the Technology Fund for their share of the cost of the acquisition.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Managing Department:** Administrative Services
- **Comprehensive Plan:** T-10 and T-12 of the Comprehensive Plan.

**IMPACT ANALYSIS:**

- **Environmental:** This project is categorically exempt from CEQA.

**PRIOR YEARS**

PY Budget	ongoing
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other		\$75,000	\$75,000	\$75,000		\$225,000
<b>Total Budget Request</b>		<b>\$75,000</b>	<b>\$75,000</b>	<b>\$75,000</b>		<b>\$225,000</b>
Revenues:		\$75,000	\$75,000	\$75,000		\$225,000
Source of Funds:	Technology Fund with the following reimbursements: General Fund(\$225,000)					

**CIP BILL AND PAYMENT PROCESSING (TE-07003)**

**Description:** This project funds bill and payment processing activities. The project encompasses the physical printing, sorting, folding, and stuffing of the utility bills. It also includes maintenance and consulting for the existing bill print software, IT infrastructure upgrades, and the purchase of necessary hardware. To ensure proper bills and payment processing during a business failure or natural disaster, utilities will explore the option to outsource these activities to a third party.

**Justification:** Ongoing enhancements to the utility Department's CIS are needed to address customer expectations in their bill presentment. Additionally, this provides training of staff to bring application support within the City organization and lower consulting costs.

**Supplemental Information:** This is a multi-funded project for all enterprise funds that utilize the CIS for billing. These funds include electric, water, gas, refuse, wastewater collection, and storm drain.

**CIP FACTS:**

- **New**
- **Project Status:** Other
- **Timeline:** FY 2006-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Administrative Services
- **Comprehensive Plan:** Program T-10
- **Board/Commission Review:** UAC

**IMPACT ANALYSIS:**

- **Environmental:** This is not a project under CEQA

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
Construction Costs	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Other	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$175,000
<b>Total Budget Request</b>	<b>\$110,000</b>	<b>\$110,000</b>	<b>\$110,000</b>	<b>\$110,000</b>	<b>\$110,000</b>	<b>\$550,000</b>
Revenues:	\$110,000	\$110,000	\$110,000	\$110,000	\$110,000	\$550,000
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$253,340); Gas Fund(\$104,745); Refuse Fund(\$69,755); Storm Drainage Fund(\$8,630); Wastewater Collection Fund(\$41,175); Water Fund(\$72,355)					

**CIP CIS/SAP TRANSITION (TE-07000)**

**Description:** This project is requested for the ongoing maintenance and support of the current Utilities Information System (CIS), and to prepare for a transition to SAP's CIS. This will include the completion of a business needs assessment and study for the information and billing SAP software packages. This assessment will be completed by a consultant.

**Justification:** The Utilities Department relies on CIS for timely and accurate billing of utility customer accounts. It is also an important information system for responding to customer inquiries, performing sales revenue forecasting, performing rate analysis, credit management, transformer replacement, performance metrics, maintaining meter inventory, and maintaining historical meter reading records.

**Supplemental Information:** This is a project for all enterprise funds that utilize the CIS for billing. These funds include electric, water, gas, refuse, wastewater collection, and storm drain.

**CIP FACTS:**

- **New**
- **Project Status:** Other
- **Timeline:** FY 2006-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Administrative Services
- **Comprehensive Plan:** Furthers Program T-10 of the Comprehensive Plan
- **Board/Commission Review:** UAC

**IMPACT ANALYSIS:**

- **Environmental:** This is not a project under CEQA
- **Operating:** Maintenance/support costs of \$200,000 in IT operating budget

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs	\$82,000					\$82,000
Design Costs						
Construction Costs	\$250,000	\$250,000	\$250,000			\$750,000
Other	\$50,000	\$50,000	\$50,000			\$150,000
<b>Total Budget Request</b>	<b>\$382,000</b>	<b>\$300,000</b>	<b>\$300,000</b>			<b>\$982,000</b>
Revenues:	\$382,000	\$300,000	\$300,000			\$982,000
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$452,329); Gas Fund(\$187,021); Refuse Fund(\$124,544); Storm Drainage Fund(\$15,405); Wastewater Collection Fund(\$73,513); Water Fund(\$129,188)					



# CITYWIDE GIS DATA, INFRASTRUCTURE & APPLICATIONS (TE-02015)

**Description:** This project will improve the capabilities of the City's Geographic Information System (GIS) and expand its use by City staff and the public. Included are applications to support Public Works and Utilities Infrastructure Management and Police/Fire operations the City's Development Center. The City's web site will increasingly feature GIS maps. Joint efforts with other agencies will allow aerial photos and parcel data to be updated more frequently improving the systems foundation.

**Justification:** The GIS has become a core information asset for the City by providing parcel-related and infrastructure data. It has grown from being a set of special purpose computer applications to being an information tool that serves all segments of the City.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Overall Project Completion:** 40%
- **Percent Spent:** 46.40%
- **Managing Department:** Administrative Services
- **Comprehensive Plan:** Policy G-3, G-12, G-4, T-10, T-38

**IMPACT ANALYSIS:**

- **Environmental:** Not a project under CEQA
- **Operating:** There will be ongoing annual maintenance costs.

**PRIOR YEARS**

PY Budget	\$1,144,426
PY Actuals as of 12/31/2005	\$531,016

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$108,632	\$258,632	\$258,632	\$258,632	\$200,000	\$1,084,528
<b>Total Budget Request</b>	<b>\$108,632</b>	<b>\$258,632</b>	<b>\$258,632</b>	<b>\$258,632</b>	<b>\$200,000</b>	<b>\$1,084,528</b>
Revenues:	\$69,090	\$164,493	\$164,493	\$164,493	\$127,203	\$689,772
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$340,670); Gas Fund(\$101,521); Refuse Fund(\$92,119); Storm Drainage Fund(\$9,988); Wastewater Collection Fund(\$34,335); Wastewater Treatment Fund(\$55,431); Water Fund(\$55,708)					

# CIP eGov-WEB INFRASTRUCTURE & APPLICATIONS (TE-02014)

**Description:** This project will put in place the infrastructure required for small to medium sized web applications. Projects will be developed when further enhancements are needed for delivery of similar functionality. This project will also analyze, design, build, and implement some initial web applications. This applications may include a number of department-wide functions; such as customer access to Utility billing information and online registration to enjoy classes.

**Justification:** With the growing demand for web applications, the City's Information Technology Division must first design and implement the appropriate infrastructure to support the new applications. Once the infrastructure is in place, application delivery will follow.

**CIP FACTS:**

- **Continuing**
  - **Project Status:** Other
  - **Timeline:** FY 2007-2011
  - **Overall Project Completion:** 10%
  - **Percent Spent:** 0.00%
  - **Managing Department:** Administrative Services
  - **Comprehensive Plan:** Policy G-3, Programs T-8, T-10, T-12, G-4, G-5
- IMPACT ANALYSIS:**
- **Environmental:** Not a project under CEQA
  - **Operating:** Ongoing annual maintenance costs of \$25,000

**PRIOR YEARS**

PY Budget	\$700,000
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$135,000	\$135,000	\$135,000	\$135,000	\$75,000	\$615,000
<b>Total Budget Request</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$75,000</b>	<b>\$615,000</b>
Revenues:	\$85,862	\$85,862	\$85,862	\$85,862	\$47,701	\$391,149
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$193,183); Gas Fund(\$57,569); Refuse Fund(\$52,238); Storm Drainage Fund(\$5,663); Wastewater Collection Fund(\$19,470); Wastewater Treatment Fund(\$31,433); Water Fund(\$31,593)					

**NEW**

# **CIP** EMERGENCY NOTIFICATION SYSTEM (TE-07001)

**Description:** The Police Department, who has management and oversight responsibility for emergency notifications of both public safety personnel (through the 9-1-1 center) and the community (through the existing alerting system) will acquire a secure, geographic-based notification system that can be launched from virtually any location via a web-based browser and through a hosting facility for larger scale emergencies. The system will integrate fully with the City’s current Geographical Information System.

**Justification:** The City currently utilizes an automated emergency alerting system to notify the community of life-safety information during an emergency. The system is approximately seven years old and is no longer supported by the manufacturer. Acquisition and implementation of these systems will ensure that emergency first-responders are notified and the public receives time sensitive and critical information for critical and widespread communication.

**CIP FACTS:**

- **New**
  - **Project Status:** Construction
  - **Timeline:** FY 2007-2007
  - **Overall Project Completion:** 0%
  - **Percent Spent:** 0.00%
  - **Managing Department:** Administrative Services
  - **Comprehensive Plan:** Policy G-3
- IMPACT ANALYSIS:**
- **Environmental:** Project is categorically exempt from CEQA
  - **Operating:** Ongoing annual maintenance costs

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$150,000					\$150,000
<b>Total Budget Request</b>	<b>\$150,000</b>					<b>\$150,000</b>
Revenues:						
Source of Funds:	Technology Fund					
Council Policy Direction:	This project is a Council top three priority.					

# CIP IT DISASTER RECOVERY PLAN (TE-01012)

**Description:** This project will provide the City with the means to promptly resume mission critical and business operations should a natural disaster occur that renders the City's primary computer system infrastructure inoperable. The project provides for the hiring of a consultant who specializes in analyzing information infrastructure to develop a Request for Proposal (RFP) for third party companies to provide disaster recovery services.

**Justification:** Currently, there is no disaster recovery plan for City data or mission critical application servers. This project was recommended in the Information Technology Strategic Plan, as well as by the external auditor.

## CIP FACTS:

- **Continuing**
  - **Project Status:** Other
  - **Timeline:** FY 2007-2011
  - **Overall Project Completion:** 40%
  - **Percent Spent:** 42.31%
  - **Managing Department:** Administrative Services
  - **Comprehensive Plan:** No policies/program related to this project.
- IMPACT ANALYSIS:**
- **Operating:** Future costs of a disaster recovery firm to be determined.

## PRIOR YEARS

PY Budget	\$780,000
PY Actuals as of 12/31/2005	\$330,000

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000
<b>Total Budget Request</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$300,000</b>
Revenues:	\$38,161	\$38,161	\$38,161	\$38,161	\$38,161	\$190,805
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$94,235); Gas Fund(\$28,085); Refuse Fund(\$25,480); Storm Drainage Fund(\$2,760); Wastewater Collection Fund(\$9,500); Wastewater Treatment Fund(\$15,335); Water Fund(\$15,410)					



# LIBRARY RFID IMPLEMENTATION (TE-06001)

**Description:** This project will implement radio frequency identification (RFID) technology for use in circulating and managing library collections. The first year of the project will consist of market research and the development of a project plan and a Request for Proposal (RFP) for third party companies to provide the needed hardware and software. Procurement and implementation will take place in the second year.

**Justification:** The implementation of RFID technology throughout the Library will facilitate the use of self-service options and will help staff cope with increasing workloads and improve staff efficiency by enabling faster handling of check-out and check-in of books and other library materials. RFID will help the Library return materials to the shelves more quickly, reduce repetitive motions and resulting injuries for staff, and reduce wait times for customers.

**Supplemental Information:** This project responds to the City Council's direction to employ technology solutions in the Library.

Added benefits of RFID provides greater security for the collection and reduces the error rate for check-out and check-in, meaning greater accuracy in the public catalog. It will provide the foundation for future enhancements including automatic sorting of returned items and 24/7 pick-up of holds by library customers, as space and funds allow.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2005-2008
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Administrative Services
- **Comprehensive Plan:** Program C-12

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt from CEQA under Sec 15301
- **Operating:** Operating costs will be incurred once the system is in place

**PRIOR YEARS**

PY Budget	\$45,000
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other		\$800,000				\$800,000
<b>Total Budget Request</b>		<b>\$800,000</b>				<b>\$800,000</b>
Revenues:						
Source of Funds:	Technology Fund					

**NEW**

# CIP POLICE AUTO-CITATION SYSTEM (TE-07002)

**Description:** The Police Department seeks to upgrade its current handheld automated parking citation system to newer, lighter weight and more efficient technology.

**Justification:** The current auto-citation system for parking citations is more than 10 years old, is antiquated and the units themselves are heavy and difficult for parking enforcement officers to handle. The newer technology is more easily integrated and can improve the overall efficiency of the parking enforcement officers. The lighter weight will assist in reducing strain injuries from carrying the heavier devices for long periods of time.

**CIP FACTS:**

- **New**
- **Project Status:** Other
- **Timeline:** FY 2007-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Administrative Services
- **Comprehensive Plan:** Policy T-47 and Program T-52

**IMPACT ANALYSIS:**

- **Environmental:** Project is categorically exempt from CEQA
- **Operating:** Ongoing annual maintenance costs

## FUTURE FINANCIAL REQUIREMENTS

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$125,000					\$125,000
<b>Total Budget Request</b>	<b>\$125,000</b>					<b>\$125,000</b>
Revenues:	\$83,333					\$83,333
Source of Funds:	Technology Fund with the following reimbursements: California Avenue Parking Permits Fund(\$41,666); General Fund(\$41,667)					



# RADIO INFRASTRUCTURE REPLACEMENT (TE-05000)

**Description:** Having reliable and effective telecommunications (radio infrastructure) equipment is vital to ensure the safety of City personnel. This project will fund the annual replacement of various items in the City's radio telecommunications infrastructure inventory in accordance with a life-cycle replacement schedule.

**Justification:** A significant amount of the radio equipment that makes up the Police, Fire, Public Works, Utilities and Animal Services radio systems has been operational for 18 years, well beyond the reliable life-cycle for this type of equipment. The Department has carefully evaluated each piece of equipment and has created a multi-year, ongoing replacement schedule that began in 2004-05. In 2005-06, replacement of the oldest and most deteriorated equipment will be initiated.

**CIP FACTS:**

- **Continuing**
  - **Project Status:** Construction
  - **Overall Project Completion:** 0%
  - **Percent Spent:** 0.00%
  - **Managing Department:** Administrative Services
  - **Comprehensive Plan:** Policy C-9
- IMPACT ANALYSIS:**
- **Environmental:** This is not a project under CEQA.
  - **Operating:** Included in the Police Department budget

**PRIOR YEARS**

PY Budget	\$726,980
PY Actuals as of 12/31/2005	\$0

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$105,000	\$14,000	\$14,000	\$14,000	\$333,000	\$480,000
Other						
<b>Total Budget Request</b>	<b>\$105,000</b>	<b>\$14,000</b>	<b>\$14,000</b>	<b>\$14,000</b>	<b>\$333,000</b>	<b>\$480,000</b>
Revenues:	\$37,800	\$5,040	\$5,040	\$5,040	\$119,880	\$172,800
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$24,000); Gas Fund(\$24,000); Stanford(\$76,800); Wastewater Collection Fund(\$24,000); Water Fund(\$24,000)					

# CIP TELEPHONE SYSTEM REPLACEMENT (TE-00010)

**Description:** This project's first phase will fund the services of a consultant to conduct an analysis and assessment of current and future requirements for voice related communications within the City. Requirements will be determined for telecommunications, the telephone switch network (PBX), connectivity to the data communications network, implementation strategies for voice over the fiber backbone, and voice mail requirements and applications. The needs assessment will be reviewed for all City departments.

**Justification:** The reliability of the City's telephone and telecommunications services is critical to City operations. Telecommunications technology has developed significantly in recent years. Newer switches will offer more compatibility, provide greater functionality, and require less space and power than the current equipment. As resources are distributed throughout the City, the PBX system will be required to provide greater flexibility to in-house staff and to remote locations.

**CIP FACTS:**

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2007-2011
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.51%
- **Managing Department:** Administrative Services
- **Comprehensive Plan:** Policy B-16 and C-9

**IMPACT ANALYSIS:**

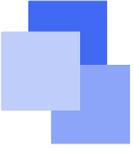
- **Environmental:** Not a project under CEQA
- **Operating:** Maintenance required. Funded by Communications & Tel Svc.

**PRIOR YEARS**

PY Budget	\$1,030,000
PY Actuals as of 12/31/2005	\$5,255

**FUTURE FINANCIAL REQUIREMENTS**

	2006-07	2007-08	2008-09	2009-10	2010-11	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$100,000				\$100,000	\$200,000
<b>Total Budget Request</b>	<b>\$100,000</b>				<b>\$100,000</b>	<b>\$200,000</b>
Revenues:	\$63,602				\$63,602	\$127,204
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$62,824); Gas Fund(\$18,722); Refuse Fund(\$16,988); Storm Drainage Fund(\$1,842); Wastewater Collection Fund(\$6,332); Wastewater Treatment Fund(\$10,222); Water Fund(\$10,274)					



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**Partially or Unfunded**



## 2006-11 Partially or Unfunded CIP Projects List by Department

### TRANSPORTATION STRATEGIC PLAN - PLANNING AND COMMUNITY ENVIRONMENT CIP

Project Number	Project Title	Total Unfunded Amount
PL-07001	Intermodal Transit Center	\$195,000,000 *
PL-05002	Charleston/Arastradero Corridor Plan	\$7,400,000
<b>Projects not in CIP but unfunded High Priority Projects in Strategic Plan:</b>		
TBD	* Bicycle and Pedestrian facilities that prioritize critical links to parks schools retail centers and civic facilities (includes new bike paths, bike lanes, and Projected Traffic Impact fees reimbursement)	\$7,950,000 (\$929,000)
	<b>Net projected CIP amount</b>	<b>\$7,021,000</b>
TBD	* Bicycle and pedestrian paths under Alma Street and Caltrain (locations depend upon results of the feasibility studies). Projected Traffic Impact fees reimbursement	\$20,000,000 (\$2,900,000)
	<b>Net projected CIP amount</b>	<b>\$17,100,000</b>
TBD	* Feasibility study of new vehicular grade separations of Caltrain tracks.	\$500,000 **
TBD	* Residential Arterial Traffic Calming (Embarcadero, Middlefield, University	\$30,000,000
TBD	* Computerized Traffic Management Projected Federal reimbursement	\$5,000,000 (\$500,000)
	<b>Net projected CIP amount</b>	<b>\$4,500,000</b>

\* from Figure ES-1 in the Transportation Implementation Plan

### PUBLIC WORKS DEPARTMENT CIP

Project Number	Project Title	Total Unfunded Amount
PE-89020	Public Safety Building Project	TBD ***
PE-07011	Library Service Model Analysis	TBD ****
TBD	Roth Building	TBD
TBD	Fire Station Rebuild # 3 & 4	\$10,000,000

#### Notes:

\* The total cost of the new facility would be \$195 Million to \$247 Million. Approximately \$52 Million is available from 1996 and 2000 Santa Clara County sales tax measures. The project will require \$55 Million from Caltrain and \$88 Million to \$142 Million in state and federal grants. \$837,380 is proposed in 2006-07 to cover the cost to implement the Palo Alto Intermodal Transit Center conceptual plan.

\*\* VTA is going to include this task in their consultant contract for a Caltrain Capital Priorities Study, currently underway. The city may not need to pursue this independently.

\*\*\* \$1 Million is proposed in 2006-07 to cover for the environmental study and design plan of the project.

\*\*\*\* \$0.4 Million is proposed in 2006-07 to cover for the costs that may be incurred as a result of the review of PACL existing service model

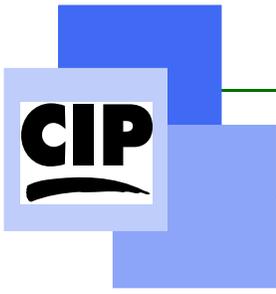
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# Index by Project Number

CIP Number	Project Title	Page Number
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## CAPITAL PROJECT FUND

AC-86017	Art in Public Places . . . . .	124
FD-05000	Sixteen(16) ALS Monitor/Defibrillators. . . . .	123
OS-00001	Open Space Trails and Amenities . . . . .	113
OS-00002	Open Space Lakes and Ponds Maintenance . . . . .	112
OS-07000	Foothills Park Road Improvements . . . . .	109
OS-07002	Foothills Park Interpretive Center and Open Space Maintenance Yard Parking Lots . . . . .	108
OS-07003	Open Space Maintenance Shop Rehabilitation . . . . .	83
PD-07000	Mobile Command Vehicle . . . . .	128
PE-00104	San Antonio Medians . . . . .	116
PE-05001	Photovoltaic Design and Installations . . . . .	130
PE-05010	Library	
	College Terrace Library and Child Care Center Improvements79	
PE-06001	San Antonio Bridge Structural Repairs and Maintenance . . . . .	86
PE-06006	Alma Street Landscape Improvements . . . . .	99
PE-06007	Park Restroom Installation . . . . .	129
PE-06010	City Parks Improvements . . . . .	104
PE-06011	Street Median Improvements. . . . .	118
PE-07001	Hopkins Park Improvement. . . . .	111
PE-07002	Hoover Park Improvements. . . . .	110
PE-07003	Ramos Park Improvements . . . . .	114
PE-07004	Cogswell Plaza Improvements. . . . .	106
PE-07005	California Avenue Improvements . . . . .	103
PE-07006	Boulware Park Improvements . . . . .	102
PE-07007	Cubberley Turf Renovation. . . . .	107
PE-07009	Baylands Athletic Center Fencing, Dugout and Trailhead Parking Renovations . . . . .	100
PE-07011	Library Service Model Analysis . . . . .	127
PE-08001	Rinconada Park Improvements . . . . .	115
PE-86070	Street Maintenance. . . . .	95
PE-98020	Public Safety Building . . . . .	84
PF-00006	Roofing Replacement . . . . .	85
PF-01002	Civic Center Infrastructure Improvements . . . . .	71
PF-01003	Building Systems Improvements . . . . .	68
PF-02022	Facility Interior Finishes Replacement. . . . .	77
PF-04010	Cubberley Mechanical and Electrical Upgrades . . . . .	74
PF-05002	Municipal Service Center Renovation . . . . .	82
PF-05003	Foothills Park Interpretive Center Improvements . . . . .	78
PF-06001	Ted Thompson Garage Improvements . . . . .	88
PF-06002	Ventura Buildings Improvements . . . . .	89



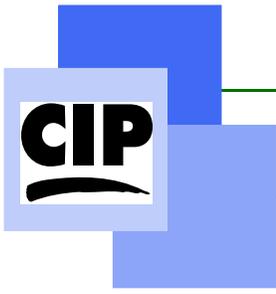
# Index by Project Number

CIP Number	Project Title	Page Number
------------	---------------	-------------

PF-06003	Cubberley Community Center Fire Alarm System	73
PF-06004	Cubberley Restroom Upgrades	75
PF-07000	Art Center Electrical & Mechanical Upgrades	66
PF-07001	Cubberley Wing I Elevator Upgrade	76
PF-07002	Baylands Interpretive Center Improvement	67
PF-07003	Children's Theatre Fire/Life Safety Upgrades	70
PF-07010	Library	
	Main Library Improvements81	
PF-09000	Children's Theatre Improvements	69
PF-09001	Library	
	Downtown Library Mechanical and Electrical Upgrades80	
PF-93009	Americans with Disabilities Act Compliance	65
PG-06001	Tennis and Basketball Court Resurfacing	119
PG-06003	Benches, Signage, Fencing, Walkways, and Perimeter Landscaping	101
PG-98001	School Playing Field Irrigation	117
PL-00026	Safe Routes to School	131
PL-04010	Bicycle Boulevards Implementation Project	93
PL-05030	Traffic Signal Upgrades	133
PL-06002	Comprehensive Parking Signage Plan	125
PL-07001	Intermodal Transit Center	126
PO-05054	Street Lights Improvements	132
PO-89003	Sidewalk Repairs	94

## ELECTRIC FUND

EL-02010	SCADA System Upgrades	172
EL-02011	Electric Utility GIS	157
EL-03001	UG District 41 - Colorado/Cowper/Oregon	178
EL-04012	Utility Site Security Improvements	182
EL-04013	Foothills Communication Improvement Plan	160
EL-04014	Automated Meter Reading System	149
EL-05000	El Camino Underground Rebuild	154
EL-05001	Colorado Sw Sta 115kV Bus Installation	150
EL-05003	Relocation - Alma Substation	171
EL-06000	Park Blvd. 4/12 kV Conversion	164
EL-06002	UG District 45 - Downtown V	180
EL-06003	Utility Control Center Upgrades	181
EL-06004	Power Generation Alternatives - Feasibility Study	165
EL-06005	Fiber Optic Network System Improvements (formerly EL-98001)	159



# Index by Project Number

CIP Number	Project Title	Page Number
------------	---------------	-------------

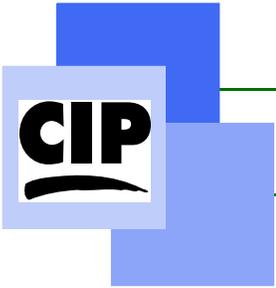
EL-06006	Fiber Optic Customer Connections (formerly EL-98002)	158
EL-08000	E. Charleston 4/12kV Conversion	152
EL-08001	UG District 42 - Fairmeadow Area	179
EL-08002	E. Meadow/Alma/Loma 4/12kV Conversion	153
EL-09000	Middlefield Underground Rebuild	163
EL-09001	UG District 43 - San Antonio	177
EL-09002	Middlefield / Colorado 4/12 kV Conversion	162
EL-09003	Rebuild UG District 17	168
EL-10006	Rebuild UG District 24	170
EL-11001	Torrea Court Rebuild	176
EL-11002	St. Francis/Oregon/Amarillo/Louis 4/12kV Conversion	173
EL-11003	Rebuild UG District 15	167
EL-11004	Hewlett Subdivision Rebuild Los Trancos Road	161
EL-11005	Rebuild UG District 22	169
EL-89028	Electric Customer Connections	155
EL-89031	Communications System Improvements	151
EL-89038	Substation Protection Improvements	175
EL-89044	Substation Facility Improvements	174
EL-98003	Electric System Improvements	156

## GAS FUND

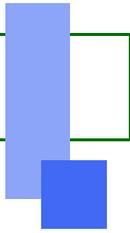
GS-02013	Directional Boring Machine	187
GS-03007	Directional Boring Equipment	188
GS-03008	Polyethylene Fusion Equipment	199
GS-03009	System Extensions - Unreimbursed	200
GS-06001	GMR - Project 16	191
GS-07002	GMR - Project 17	193
GS-08011	GMR - Project 18	195
GS-09002	GMR - Project 19	196
GS-10001	GMR - Project 20	197
GS-11000	GMR - Project 21	198
GS-80017	Gas System Extensions	190
GS-80019	Gas Meters and Regulators	189

## REFUSE FUND

RF-07001	Relocation of Landfill Facilities	234
RF-11001	Landfill Closure	233



# Index by Project Number



CIP Number	Project Title	Page Number
------------	---------------	-------------

## STORM DRAINAGE FUND

SD-06101	Storm Drain System Replacement and Rehabilitation . . . . .	252
SD-06102	San Francisquito Creek Storm Water Pump Station . . . . .	250
SD-06104	Connect Clara Drive Storm Drains to Matadero Pump Station . . . . .	248
SD-06105	Innovative Storm Drain Improvements . . . . .	249
SD-08101	Alma Street Storm Drain Improvements . . . . .	247
SD-10101	Southgate Neighborhood Storm Drain Improvements . . . . .	251

## TECHNOLOGY FUND

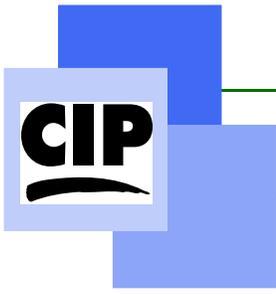
TE-00010	Telephone System Replacement . . . . .	281
TE-01012	IT Disaster Recovery Plan. . . . .	277
TE-02014	eGov-Web Infrastructure & Applications . . . . .	275
TE-02015	Citywide GIS Data, Infrastructure & Applications . . . . .	274
TE-05000	Radio Infrastructure Replacement . . . . .	280
TE-06001	Library RFID Implementation . . . . .	278
TE-07000	CIS/SAP Transition . . . . .	273
TE-07001	Emergency Notification System . . . . .	276
TE-07002	Police Auto-Citation System . . . . .	279
TE-07003	Bill and Payment Processing . . . . .	272
TE-99010	Acquisition of New Computers . . . . .	271

## VEHICLE REPLACEMENT FUND

VR-01000	MSC Equipment Maintenance Facility Storage Area . . . . .	263
VR-01002	MSC Equipment Washing Facility Upgrade . . . . .	264
VR-04010	Vehicle Maintenance Facility Upgrades . . . . .	267
VR-06801	Replace City-wide Fuel Transaction and Inventory Management System . . . . .	265
VR-07001	Automated Motor Pool Reservation and Vehicle Key Management System . . . . .	261
VR-07002	Diesel Truck Engine Emissions Retrofits . . . . .	262
VR-07800	Scheduled Vehicle and Equipment Replacements . . . . .	266

## WASTEWATER COLLECTION FUND

WC-06003	WW Collection Sys. Rehab/Aug. Project 19. . . . .	225
WC-07004	WW Collection Sys. Rehab/Aug. Project 20. . . . .	226
WC-08012	WW Collection Sys. Rehab/Aug. Project 21. . . . .	227
WC-09001	WW Collection Sys. Rehab/Aug. Project 22. . . . .	228



# Index by Project Number

CIP Number	Project Title	Page Number
------------	---------------	-------------

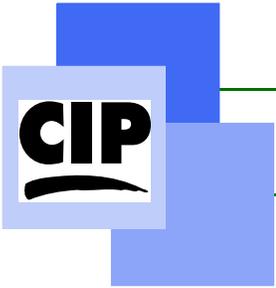
WC-10002	WW Collection Sys. Rehab/Aug. Project 23.	229
WC-11000	WW Collection Sys. Rehab/Aug. Project 24.	230
WC-80020	Sewer System Extensions	224
WC-99013	Sewer Manhole Rehab/Replacement	223

## WASTEWATER TREATMENT FUND

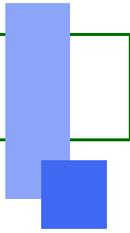
WQ-04010	Replace Existing Reclaimed Water Pipe	240
WQ-04011	Facility Condition Assessment & Retrofit	238
WQ-06013	Sludge Ash Processing and Beneficial Use.	241
WQ-06014	Disinfection Facility Improvement Program.	237
WQ-80021	Plant Equipment Replacement.	239
WQ-80022	System Flow Meter	242

## WATER FUND

WS-02014	W-G-W Utility GIS Data	211
WS-06002	WMR - Project 20	212
WS-07000	Water Regulation Station Improvements	206
WS-07003	WMR - Project 21	213
WS-07004	Water System Portable Emergency Generators.	210
WS-08017	WMR - Project 22	215
WS-09000	Seismic Water Tank Valve	205
WS-09001	WMR - Project 23	216
WS-10001	WMR - Project 24	218
WS-11000	WMR - Project 25	219
WS-80013	Water System Extensions	209
WS-80014	Water Service Hydrant Replacement	208
WS-80015	Water Meters	207



# Index by Project Number



CIP Number

Project Title

Page Number

CIP Number	Project Title	Page Number
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# Glossary

## Key Budget Terms

**Adjusted Budget:** The adjusted budget represents the adopted budget including changes made during the fiscal year.

**Adopted Budget:** The adopted budget is the annual City budget approved by the City Council on or before June 30.

**Appropriation:** The allocation of an expense budget for a particular project or program usually for a specific period of time.

**Capital Budget:** A plan of proposed capital outlays and the means of financing them for the current fiscal period. In a two-year budget, the second year of the Capital Improvement Program is adopted-in-concept.

**Capital Improvement Program (CIP):** The Capital Improvement Fund accounts for projects related to the acquisition, expansion, or rehabilitation of the City's buildings, equipment, parks, streets, and other public infrastructure.

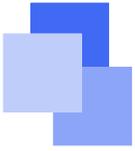
**Capital Projects Fund:** A fund created to account for all resources to be used for the construction or acquisition of designated fixed assets by a governmental unit except those financed by proprietary or fiduciary funds.

**Comprehensive Plan:** The Palo Alto Comprehensive Plan contains the City's official policies on land use and community design, transportation, housing, natural environment, business and economics, and community services. Its policies apply to both public and private properties. Its focus is on the physical form of the City. The Proposed Budget integrates the 1998-2010 Comprehensive Plan into the budget process.

**Cost Accounting:** The branch of accounting that provides for the assembling and recording of all the elements of cost incurred to accomplish a purpose, to carry on an activity or operation, or to complete a unit of work or a specific job.

**Enterprise Funds:** Enterprise funds account for City operations which are financed and operated in a manner similar to private enterprise. Costs of providing service to the public are covered by user charges, grant funds, and impact fees. The City of Palo Alto owns and operates its own utilities with the exception of refuse hauling and collection, which is contracted with an outside firm.

**Fiscal Agent:** A bank or other corporate fiduciary that performs the function of paying, on behalf of the governmental unit, or other debtor, interest on debt or principal of debt when due.



## Glossary *continued*

**Fiscal Year:** A 12-month period of time to which the annual budget applies and at the end of which a governmental unit determines its financial position and the results of operations.

**Fixed Assets:** Assets of a long-term character that are intended to continue to be held or used, such as land, buildings, machinery, furniture, and other equipment.

**Funds:** Local government budgets are made up of funds, which help to organize and account for restricted resources. Each fund is considered a separate accounting entity.

**Governmental Funds:** A generic classification used to refer to all funds other than proprietary and fiduciary funds. The capital projects fund is one example of the type of funds referred to as “Governmental Funds”.

**Infrastructure Assets:** Roads, bridges, curbs and gutters, streets, sidewalks, drainage systems, and lighting systems installed for the common good.

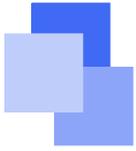
**Infrastructure Management Plan (IMP):** A portion of the General Fund capital improvement program with the focus of rehabilitating the City's infrastructure. In 1998-99, an outside consultant on the City's infrastructure prepared a report known as the Adamson report. Within this report the City's infrastructure was catalogued and ranked based on when the infrastructure needed to be upgraded or replaced and the cost for each item. At that time, the City Council decided to establish a plan using the Adamson report as a guide to both timeline and cost.

**Internal Service Funds:** These funds provide services to City departments and recover their costs through user charges. The Vehicle Replacement Fund is an Internal Service Fund managing the replacement and maintenance of the City fleet.

**Method of Accounting:** The City's Governmental and Proprietary Funds budget are developed using a modified accrual basis of accounting, with revenues being recorded when measurable and available, and expenditures recorded when the liability is incurred.

**Operating Transfer:** Amounts transferred between funds; not considered a revenue or expense. For example, legally authorized transfers from a fund receiving revenue to the fund through which the resources are to be expended.

**Ongoing Projects:** These are continuous projects ( e.g. water meter replacements) that have no definitive beginning or ending dates and receive ongoing funding to reflect the continuing replacement cycles or commitments.



## Glossary *continued*

**Pay-As-You-Go-Basis:** A term used to describe the financial policy of a governmental unit that finances all of its capital outlays from current revenues rather than by borrowing.

**Proposed Budget:** The proposed budget is the budget that is sent to the Finance Committee by the City Manager. The proposed budget, including changes made by the Finance Committee during their review, is approved by the Council and then becomes the adopted budget.

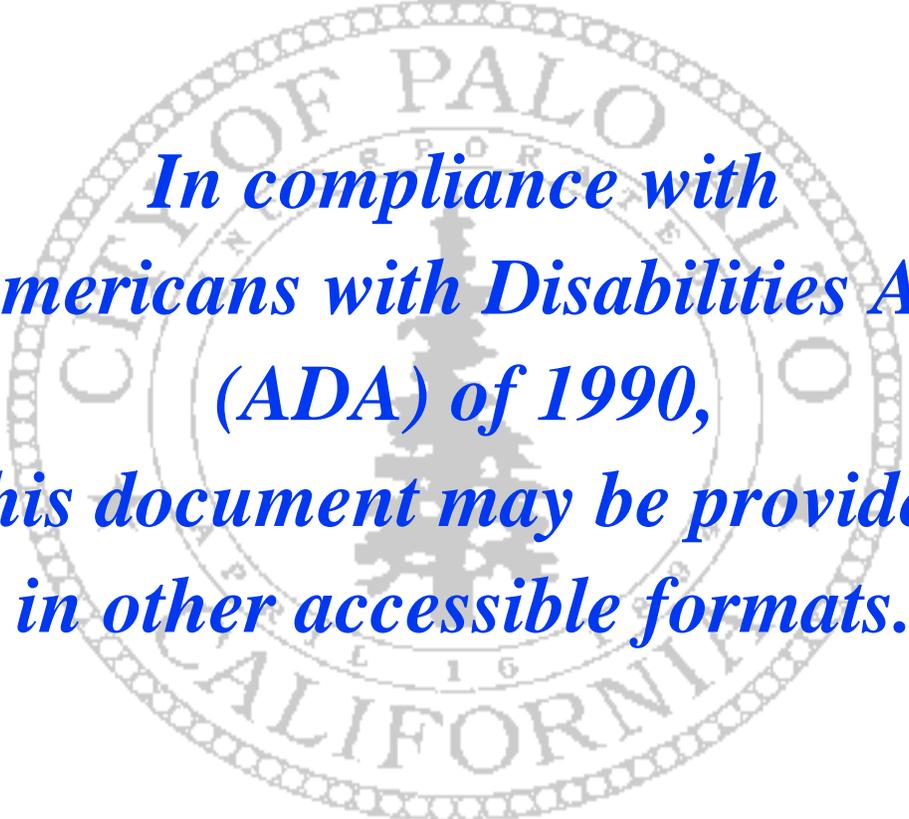
**Reimbursements:** Interfund transactions that constitute reimbursements to a fund for expenditures or expenses initially made from it but that properly apply to another fund. For example, the Enterprise Funds reimburse the Technology Fund for CIP projects that the Enterprise Funds benefit from.

**Reserve:** Represents the portion of fund balance set aside for financing future capital improvements or the outlay of capital projects in any given year, and addressing one-time emergency needs.

**Revenues:** Revenues include compensation received by the project for specific services to the public (external revenues), as well as revenues received from other funds (internal revenues). An example of internal revenue includes the Electric Fund reimbursing a Technology project for the technological resources that it will provide.

**Special Revenue Funds:** These funds account for the proceeds derived from specific revenue sources that are legally restricted to expenditures for specified purposes. The Street Improvement Fund (SIF) is a Special Revenue Fund that derives its funding from state gas tax revenues. Capital appropriations from the SIF must be spent on the construction and maintenance of the road network system of the City.

# AMERICANS WITH DISABILITIES ACT STATEMENT



*In compliance with  
Americans with Disabilities Act  
(ADA) of 1990,  
this document may be provided  
in other accessible formats.*

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