

City of Palo Alto

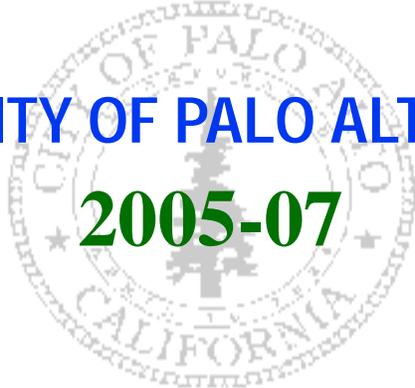
2005-2007

ADOPTED

Capital Budget



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CITY OF PALO ALTO

2005-07

City Council

Jim Burch, *Mayor*
Judy Kleinberg, *Vice Mayor*

Bern Beecham LaDoris Cordell
Hillary Freeman Yoriko Kishimoto
Jack Morton Dena Mossar
Vic Ojakian



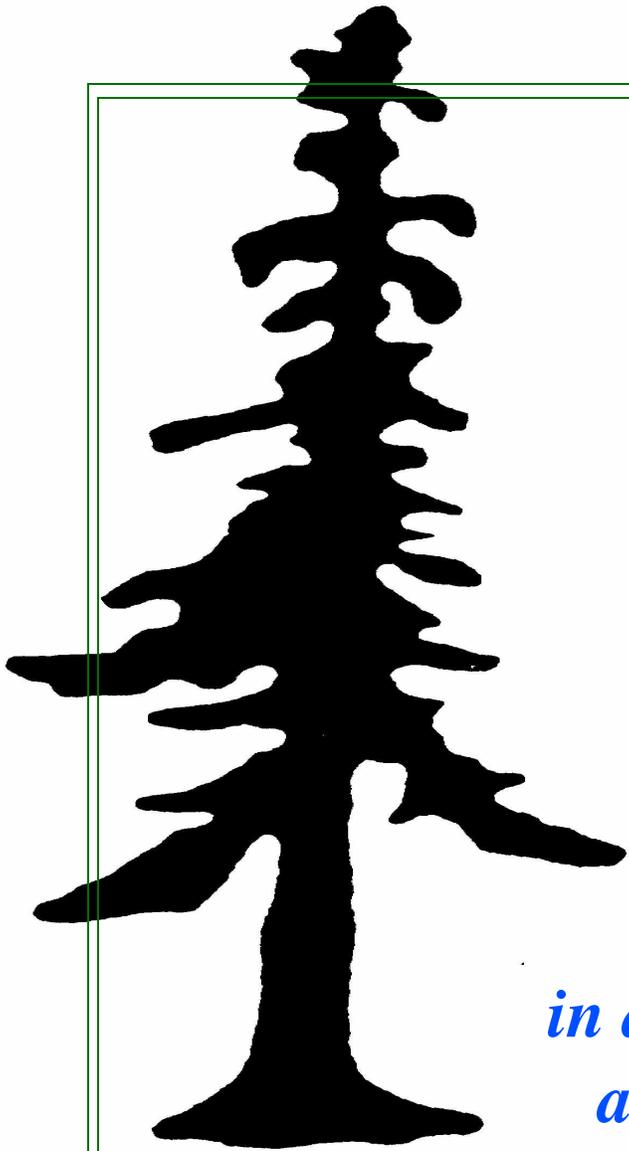
Frank Benest
City Manager

Emily Harrison
Assistant City Manager

Carl Yeats
Director of Administrative Services

Lalo Perez
Assistant Director of Administrative Services

Vic Ojakian
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.

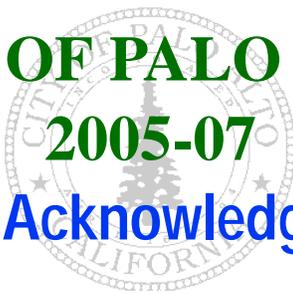
Courtesy - Providing service with respect and concern.

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
2005-07
Budget Acknowledgements

Department Budget Coordinators

Administrative Services Department

Libby Dame

City Attorney's Office

Stacy Lavelle

City Auditor's Office

Patricia Hilaire

City Clerk's Office

Mary Jo Bucchino

City Manager's Office

Chris Mogensen

Community Services Department

Lam Do

Fire Department

Melinda Cook

Human Resources Department

Erica Gindraux

Library Department

Diane Jennings

Planning and Community Environment Department

Jon Abendschein / Heather Shupe

Police Department

Pete Hazarian

Public Works Department

Judy Hejza / Sharon Macway

Utilities Department

Rosemary Ralston

Budget Document Producers

Budget Staff

David Ramberg, Manager

Mary Divinski

Amy Javelosa-Rio

Cherie McFadden

Dale Wong

Dave Yuan

Technical Advisor

Myrna McCaleb, Sr. Business Analyst

Special Contributors

Joe Saccio

Graphic Design, Cover Photo

Cherie McFadden

Printing

Ty Campbell

John Sanchez

Joyce White

Capital Improvement Program

Organizational Chart



CAPITAL IMPROVEMENT PROGRAM

Public Works Dept Managed Projects

ENGINEERING STREETS

0.20-Sr Engineer
0.90-Engineer Tech III
0.10-Supv Insp/Surv PW
0.11-Surveyor PW
0.11-Surveying Asst

PARKS AND LANDSCAPE

1.0-Project Manager
1.0-Architect/Park Planner

SIDEWALK CIP OPERATIONS

0.33-Account Specialist
1.50-Asst Engineer
3.00-Cement Finisher
1.00-Cement Finisher Lead
0.15-Deputy Director, PW Operations
0.20-Heavy Equipment Operator-L
0.50-Mgr Maint Operator
0.45-Sr Engineer
0.20-Supt PW Operations
0.10-Supv Inspector/Surveyor PW

STRUCTURES AND GROUNDS

1.60-Sr Engineer
1.80-Project Engineer
3.70-Engineer
0.20-Mgr, Facilities Maint & Proj
0.50-Engineer Tech III
0.50-Project Manager
0.05-Supv Facility Mgmt

Community Services Dept Managed Projects

CITY FACILITIES

0.28-Program Assistant

OPEN SPACE AND SCIENCE

0.10-Program Assistant

PARKS

0.52-Program Assistant

PAUSD ATHLETIC FIELDS IMPR

0.10-Program Assistant

Fiscal Year 2005-06 Position Totals: 20.2 Full-time



June 20, 2005
 Honorable City Council
 Palo Alto, California
 Attention: Finance Committee

Mayor and Council Members:

Staff submits the 2005-10 Adopted Capital Budget. As the City prepares to enter its fifth year of economic constraints, our commitment to the infrastructure program remains strong. The City continues to restructure its operations in order to sustain funding sources for capital work into the future. While challenges remain, concrete actions have occurred to fulfill Council's priorities and goals. 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 fulfilling half of Council's \$2.0 million annual goal to replenish the IR. Moreover, and as identified in the Long Range Financial Plan, the General Fund will continue to transfer \$3.6 million in 2005-06 and beyond for Infrastructure projects. We can take pride in a recent observation by the City's external Auditor that Palo Alto is most unique in having a sizeable General Fund reserve to address infrastructure needs.

The adopted budget includes capital expenditures totaling \$46.1 million in 2005-06 and \$50.4 million in 2006-07. In 2005-06, expenditures include \$14.8 million for the General Fund, \$29.8 million for the Enterprise Funds, and \$1.5 million for the Internal Service Funds. The General Fund program contains infrastructure as well as other miscellaneous projects.

Adopted infrastructure funding for 2005-06 projects includes \$6.4 million for buildings and facilities, \$4.3 million in street maintenance and sidewalk repairs, and \$2.5 million in parks and open space projects for a total of \$13.3 million. In addition, there is \$1.6 million for non-Infrastructure Management Plan (IMP) projects resulting in a total funding commitment of \$14.8 million for the coming year's General Fund capital program.

The following highlights major project efforts that will be initiated or constructed in 2005-06:

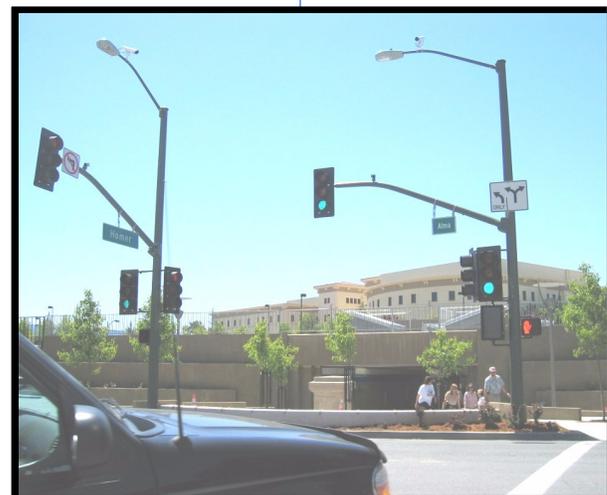
- Mitchell Park Library and Community Center Renovation
- College Terrace Library Improvements
- Stanford/Palo Alto Community Playing Fields
- Bowden and Johnson Park Improvements
- Mitchell Park Facility Improvements

INTRODUCTION



Citywide Capital
 Improvement Program
 (CIP)

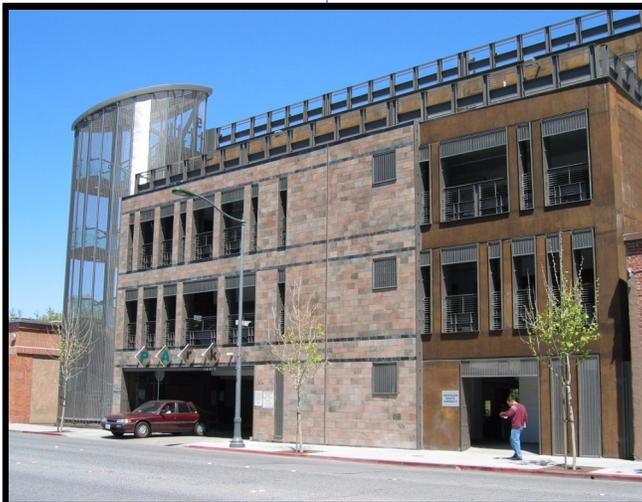
General Fund Capital Plan



Homer Undercrossing

- Cubberley Mechanical and Electrical Upgrades
- Bicycle Boulevards Implementation
- Annual Street Maintenance and Sidewalk Replacement projects
- Cambridge Parking Structure Improvements
- University Avenue Gateway Landscaping Improvements
- Civic Center Infrastructure Improvements
- San Antonio Road Median Landscaping Improvements

These projects show the variety and dispersion of improvements throughout our community. New to the infrastructure program in 2005-06 is a planned commitment to build annually one restroom in city parks that do not have such a facility.



Alma St. Garage

In addition to the above projects for 2005-06, it is important to note that the Main Library Reconfiguration project was added to the capital work at mid-year 2004-05. This work establishes a limited youth services collection and program area at the Main Library by relocating the collections support staff to the Downtown Library. This transition is necessary in anticipation of the closure of the Children's Library this summer while it undergoes renovation and expansion.

In the 2005-07 Adopted Budget, the sidewalk replacement program includes a transfer of the sidewalk repair operating budget, in the amount of approximately \$0.8 million, from the Public Works Department to the sidewalks CIP, including a portion of sidewalk repair costs in the Storm Drainage Fund. This will reduce the amount of funding to \$1.3 million for contract sidewalk work in the sidewalk CIP. The \$1.3 million of funding for contract sidewalk work is planned for each year of the IMP, a reduction from previous sidewalk workload. This will extend the time to address the sidewalk repair backlog.

The following General Fund non-infrastructure projects are included in the adopted 2005-06 Capital Plan. These projects are related to health and safety or reflect City Council priorities.

- ALS Monitors/Defibrillators for paramedic use at a cost of \$120,000 per year for three years
- Art in Public Places at \$50,000 per year
- Street Light Improvements at \$106,000 to \$120,000 per year for five years
- Traffic Signal Upgrades at \$135,000 to \$150,000 per year for four years

The CityWorks Team believes the goal of completing \$14.8 million in projects in 2005-06 is reasonable and will confirm Council's priority to renovate the City's infrastructure.

As mentioned, in addition to the significant progress we have made on our infrastructure, there are notable challenges. One challenge over the coming years will be to identify funding to build new or replace old, outdated facilities. These include, for example, the Police building and the replacement of Fire Stations 3 and 4. Other significant projects include: 1) 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 2) 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. These projects cannot be completed unless new funding sources are identified.

A second major challenge on the horizon is the strong possibility that the Infrastructure Reserve will diminish over the next five years. Recent economic constraints causing a lack of budget surpluses, the addition of unanticipated projects, inflationary pressures, and increased costs due to the discovery of additional work not identified in the original Adamson Study will all draw down the reserve. At the end of fiscal year 2004-05, the reserve balance is projected to be \$30.0 million. After accounting for the annual General Fund contribution of \$3.6 million and the interest that will be earned (interest earnings will decrease as the reserve balance decreases), it is expected that by the end of 2009-10 the reserve will equal \$4.0 million. Naturally, if revenues perform better than what is anticipated in the Long Range Financial Plan and the City maintains vigilance on its expenses, this projection will change. To better assess our capital needs and the funding challenge, a general building study is adopted in 2005-06 to update the original Adamson Study.

As in the past, the CityWorks Team reviewed adopted Utility capital projects to coordinate with General Fund work. This is especially important for scheduled street maintenance, sidewalk replacement, and utility undergrounding projects. In addition, and with the assistance of the Planning Department, the Committee 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 as work may be necessary in park areas and may involve public right-of-way issues.

The City's Utilities are integral to our community's ability to function well. In April 2005, Palo Alto property owners approved a proposed storm drain fee increase. These new revenues will provide resources for the much needed storm drain improvements in the City. The Electric, Water, Gas, and Wastewater Collection funds continue to have an aggressive infrastructure



Capital Budget Document Changes

improvement schedule in the adopted CIP. For example, the City continues to be proactive in replacing and repairing, utility poles, electrical substations, mains, and plant system necessary to maintain a reliable flow of electric, gas and water services to customers. This budget contains adopted wastewater treatment projects that will help to strengthen the Regional Water Quality Control Plant Infrastructure serving Palo Alto and other participating local government partners.

The 2005-10 capital budget document format has been changed to incorporate public and Council comment and to present information more clearly and concisely. The following changes are incorporated:



Bryant St. Garage

- Streamlined format to provide a single page project description
- Key project facts that are placed in an easy-to-locate box at the top of the page. The key facts include: status, timeline, percent of project complete, managing department, and Comprehensive Plan references
- Redesigned financial summary that separates costs into pre-design, design and construction components
- Identification of projects that require Council policy direction

In addition to format changes, additional information is presented in this year's adopted budget:

- Inclusion of new graphs that present summaries of capital improvement projects by fund, a listing of a project's sources and uses of funds
- Summary of new projects added to the 2005-10 five-year plan
- Historical data on annual depreciation expense as compared to the total annual budgeted investment in capital assets

Conclusion

In these challenging economic times, the adopted Capital Plan was developed to meet Council's ongoing infrastructure priority and to optimally use City resources on the highest priority infrastructure projects. By allocating \$14.8 million in General Fund and \$29.8 million on Enterprise Fund projects in 2005-06, I believe Council's priority has been addressed. Although challenges lie ahead, as always, we have made significant strides in rebuilding the foundation upon which the City provides services to the community.

Acknowledgements

It is my pleasure to extend thanks to all City staff involved in preparing the 2005-10 Adopted 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. Other acknowledgement in the Budget Office include David Ramberg, Budget Manager, and Budget staff Cherie McFadden and Mary Divinski.



Frank Benest

City Manager





Using the Capital Budget Document

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 from 2005 through 2010.

Projects are presented within this volume under the following categories:

Document Layout

General Fund

- Infrastructure Management Plan (IMP) - CityWorks
 - Buildings and Facilities
 - Parks and Open Space
 - Streets and Sidewalks
- Non-Infrastructure Management Plan - Miscellaneous

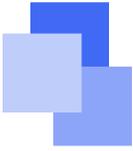
Enterprise Funds

- Electric Fund
- Gas Fund
- Water Fund
- Wastewater Collection Fund
- Wastewater Treatment Fund
- Refuse Fund
- Storm Drainage Fund

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



Using the Capital Budget Document *continued*

level of detail. The table titled “2005-10 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.

To provide quick reference to the projects that were approved in the prior year the list of prior year adopted CIP projects is included. This list is titled “2004-05 Adopted CIP Projects” and is located after the financial summary tables.

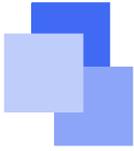
Readers will also find maps within the general fund infrastructure management plan and utility fund sections that show where various infrastructure management plan projects, under-grounding, system rebuild, gas and water main replacement projects will occur over the next five years. Finally, a glossary 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

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



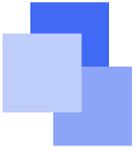
Using the Capital Budget Document *continued*

generated. For example, with project PE-06006, the “PE” denotes Public Works Engineering, the “06” indicates fiscal 2005-06 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.

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.
- 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, 2004 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, 2004.
- 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,

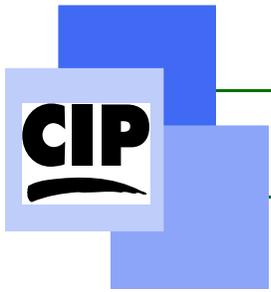


Using the Capital Budget Document *continued*

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.

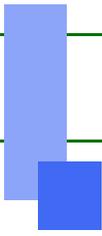
- Telecommunications: describes estimated annual project costs for telecommunications equipment are needed to implement the project.

- 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.



CIP

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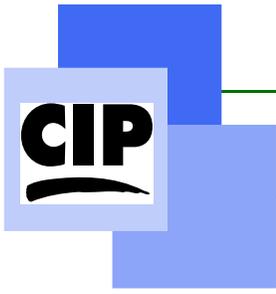


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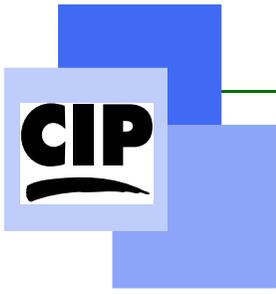


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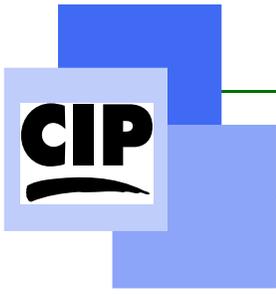


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TE-06001	Library RFID Implementation	263
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TE-05000	Radio Infrastructure Replacement	265
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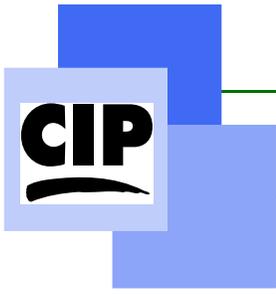


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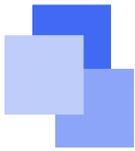
CIP

Financial Summary



2005-10 CAPITAL IMPROVEMENT PROJECTS SUMMARY BY FUND

(\$000) FUND CATEGORY	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
Capital Fund	\$14,826	\$14,537	\$11,079	\$10,544	\$7,444	\$58,430
<i>Total Reimbursements</i>	(3,725)	(3,322)	(1,475)	(1,345)	(1,350)	\$(11,216)
Net Capital Fund	\$11,102	\$11,216	\$9,604	\$9,199	\$6,095	\$47,215
Vehicle Replacement Fund	\$240	\$550	\$0	\$0	\$0	\$790
<i>Total Reimbursements</i>	0	0	0	0	0	\$0
Net Vehicle Replacement Fund	\$240	\$550	\$0	\$0	\$0	\$790
Technology Fund	\$1,229	\$1,210	\$543	\$543	\$543	\$4,067
<i>Total Reimbursements</i>	(734)	(264)	(374)	(374)	(374)	\$(2,119)
Net Technology Fund	\$495	\$947	\$169	\$169	\$169	\$1,948
Electric Fund	\$7,765	\$12,175	\$11,285	\$9,965	\$8,425	\$49,615
<i>Total Reimbursements</i>	(1,305)	(2,322)	(2,659)	(2,568)	(1,860)	\$(10,715)
Net Electric Fund	\$6,460	\$9,853	\$8,626	\$7,397	\$6,565	\$38,900
Gas Fund	\$3,518	\$5,889	\$5,833	\$6,044	\$6,177	\$27,461
<i>Total Reimbursements</i>	(546)	(563)	(580)	(597)	(615)	\$(2,901)
Net Gas Fund	\$2,972	\$5,326	\$5,253	\$5,447	\$5,562	\$24,560
Water Fund	\$2,454	\$3,531	\$4,017	\$3,665	\$4,326	\$17,993
<i>Total Reimbursements</i>	(334)	(343)	(353)	(370)	(353)	\$(1,753)
Net Water Fund	\$2,120	\$3,188	\$3,664	\$3,296	\$3,973	\$16,241
Wastewater Collection Fund	\$4,322	\$4,357	\$3,443	\$3,659	\$3,656	\$19,437
<i>Total Reimbursements</i>	(357)	(367)	(378)	(389)	(401)	\$(1,892)

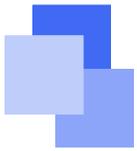


2005-10 Capital Improvement Projects Summary by Fund *continued*

(\$000) FUND CATEGORY	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
Net Wastewater Collection Fund	\$3,965	\$3,990	\$3,065	\$3,270	\$3,255	\$17,545
Wastewater Treatment Fund	\$9,200	\$5,200	\$2,500	\$2,600	\$2,600	\$22,100
<i>Total Reimbursements</i>	(7,300)	(3,200)	0	0	0	\$(10,500)
Net Wastewater Treatment Fund	\$1,900	\$2,000	\$2,500	\$2,600	\$2,600	\$11,600
Storm Drainage Fund	\$2,573	\$2,965	\$3,025	\$2,045	\$1,565	\$12,173
<i>Total Reimbursements</i>	0	0	0	0	0	\$0
Net Storm Drainage Fund	\$2,573	\$2,965	\$3,025	\$2,045	\$1,565	\$12,173
Total CIP Costs (All Funds)	\$46,127	\$50,414	\$41,725	\$39,065	\$34,736	\$212,066
<i>Total Reimbursements</i>	(14,301)	(10,380)	(5,819)	(5,643)	(4,952)	\$(41,095)
Net CIP Costs	\$31,826	\$40,034	\$35,906	\$33,422	\$29,783	\$170,972

CAPITAL IMPROVEMENT FUND FINANCIAL SUMMARY

(\$000)	2003-04 Actual	2004-05 Adopted Budget	2004-05 Adjusted Budget	2005-06 Adopted Budget	2005-06 Budget Change	2006-07 Adopted-in- Concept Budget	2006-07 Budget Change
REVENUES							
Other Agencies	1,428	3,333	3,333	892	(2,441)	1,189	297
State of California	1,274	0	0	588	588	0	(588)
Stanford University	0	30	30	30	0	30	0
Investment Income	80	997	997	1,020	23	1,020	0
Other Revenue	686	0	0	0	0	0	0
Subtotal Revenues	\$3,468	\$4,360	\$4,360	\$2,530	\$(1,830)	\$2,239	\$(291)
OPERATING TRANSFERS IN							
General Fund	2,919	4,274	40,602	4,938	(35,664)	5,077	139
Capital Fund	3,632	0	0	0	0	0	0
Street Improvement Fund	2,791	1,725	1,725	1,170	(555)	1,170	0
CDBG	0	628	0	0	0	0	0
Developers Impact Fee-Park	0	0	37	312	275	100	(212)
Utility Funds	128	0	0	332	332	332	0
Technology Fund	0	0	200	0	(200)	0	0
California Avenue Parking	66	0	0	200	200	0	(200)
University Avenue Parking	45	0	0	200	200	500	300
Subtotal Operating Transfers In	\$9,580	\$6,627	\$42,564	\$7,152	\$(35,412)	\$7,179	\$27
TOTAL SOURCE OF FUNDS	\$13,049	\$10,987	\$46,925	\$9,683	\$(37,242)	\$9,419	\$(264)
EXPENSES							
Capital Project Expenditures	22,026	15,410	16,473	15,315	(1,158)	16,276	961
Sustainability Contingency	0	400	400	400	0	400	0
TOTAL USE OF FUNDS	\$22,026	\$15,810	\$16,873	\$15,715	\$(1,158)	\$16,676	\$961
Net to (from) Reserves	\$(8,977)	\$(4,822)	\$30,051	\$(6,033)	\$(36,084)	\$(7,258)	\$(1,225)



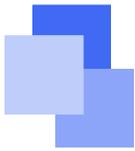
Capital Improvement Fund Financial Summary

continued

(\$000)	2003-04 Actual	2004-05 Adopted Budget	2004-05 Adjusted Budget	2005-06 Adopted Budget	2005-06 Budget Change	2006-07 Adopted-in- Concept Budget	2006-07 Budget Change
Infrastructure Reserve Year-end Balance	\$35,881	\$27,165	\$30,088	\$24,055	\$(6,033)	\$16,798	\$(7,258)

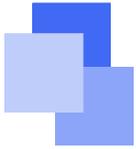
2005-10 CAPITAL IMPROVEMENT PROJECTS

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
KEY							
Shaded areas denote new projects							
TBD To Be Determined							
<i>Italicized</i> text indicates reimbursement							
* Denotes CityWorks infrastructure projects							
CAPITAL FUND							
Infrastructure Management Plan							
Buildings and Facilities							
PF-07000	Art Center Electrical & Mechanical Upgrades*		75	500			\$575
PF-07002	Baylands Interpretive Center Improvement*		267				\$267
PF-09000	Children's Theatre Improvements*				100	500	\$600
PE-05010	College Terrace Library Improvements*	283	1,000				\$1,283
PF-06003	Cubberley Community Center Fire Alarm System*	50	300				\$350
PF-06004	Cubberley Restroom Upgrades*		240				\$240
PF-07001	Cubberley Wing I Elevator Upgrade*		200				\$200
PF-09001	Downtown Library Mechanical and Electrical Upgrades*				75	250	\$325
PE-06001	San Antonio Bridge Structural Repairs and Maintenance		45				\$45
PF-93009	Americans with Disabilities Act Compliance*	170	150				\$320
PE-04014	Animal Shelter Expansion & Renovation*	443					\$443
	<i>Local Agency Grant</i>	(269)					\$(269)
PF-01003	Building Systems Improvements*	63	100		100		\$263
	<i>Local Agency Grant</i>	(63)					\$(63)
PE-04011	Cambridge Parking Structure Improvements*	230					\$230



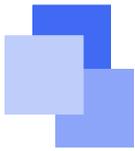
2005-10 Capital Improvement Projects *continued*

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
	<i>California Avenue Parking Permits Fund</i>	(200)					\$(200)
PE-04010	Children's Library Improvements*	125					\$125
	<i>Local Agency Grant</i>	(3)					\$(3)
PF-01002	Civic Center Infrastructure Improvements*	1,870	1,617	1,928	1,872		\$7,288
PF-04010	Cubberley Mechanical and Electrical Upgrades*	1,036		100	500	500	\$2,136
PF-02022	Facility Interior Finishes Replacement*	65	50	50	50		\$215
PF-01004	Fire Station Improvements*	473					\$473
PF-05003	Foothills Park Interpretive Center Improvements*	120	210				\$330
OS-07003	Foothills Park Maintenance Building Rehabilitation*		250				\$250
PF-04001	General Buildings Study*	185					\$185
PF-07010	Main Library Improvements*			164	909		\$1,073
PE-04012	Mitchell Park Library & Community Center*	1,209					\$1,209
PF-05002	Municipal Service Center Renovation*		366	575			\$941
PF-00006	Roofing Replacement*	115	100	100	100		\$415
PF-06001	Ted Thompson Garage Improvements*					67	\$67
	<i>Others</i>					(67)	\$(67)
PF-06002	Ventura Buildings Improvements*		90	600			\$690
	Net Subtotal	\$5,903	\$5,060	\$4,017	\$3,706	\$1,250	\$19,936
Parks and Open Space							
PE-06006	Alma Street Landscape Improvements (Formerly identified in PG-00009)*	158	151				\$309
PG-06003	Benches, signage, fencing, walkways, and landscaping*		50	100	100	200	\$450
PE-07006	Boulevard Park Improvements (Formerly identified in PG-00010)*		271				\$271



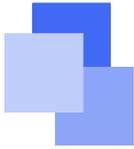
2005-10 Capital Improvement Projects *continued*

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
PE-06004	Bowden Park Improvements (Formerly identified in PG-00010)*	145					\$145
PE-07005	California Avenue Fountain Repair*		32				\$32
	<i>Others</i>		(32)				\$(32)
PE-06010	City Parks Improvements (Formerly PG-00010)*			1,085	1,346	1,160	\$3,591
PE-07004	Cogswell Plaza Improvements (Formerly identified in PG-00010)*		130				\$130
PE-06012	Cubberley Landscaping*	50					\$50
PE-07007	Cubberley Turf Renovation*		750				\$750
	<i>Others</i>		(750)				\$(750)
PE-07002	Hoover Park Improvements (Formerly identified in PG-00010)*		745				\$745
PE-07001	Hopkins Park Improvement (Formerly identified in PG-00010)*		67				\$67
PE-06008	Johnson Park Improvements (Formerly identified in PG-00010)*	79					\$79
PE-07003	Ramos Park Improvements (Formerly identified in PG-00010)*		556				\$556
PE-08001	Rinconada Park Improvements (Formerly identified in PG-00010)*			535			\$535
PE-06011	Street Median Improvements (Formerly identified in PG-00009)*			156	156	156	\$468
PG-06001	Tennis and Basketball Court Resurfacing*	82	55	55	55	55	\$302
	<i>Others</i>	(13)	(13)	(13)	(13)	(13)	\$(63)
PE-06005	University Ave. Gateway Landscaping Imp. (Formerly identified in PG-00009)*	125					\$125
OS-07002	Foothills Park Interpretive Center and Maintenance Yard Parking Lots*		267				\$267



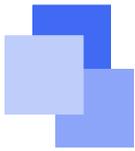
2005-10 Capital Improvement Projects *continued*

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
PE-98003	Mitchell Park Facilities Improvements (Formerly PG-98003)*	429					\$429
OS-00002	Open Space Lakes and Ponds Maintenance*	40		40		40	\$120
OS-00003	Open Space Parking Improvements*	116					\$116
OS-00001	Open Space Trails and Amenities*	100	142	116	116	116	\$590
PE-00104	San Antonio Medians (Formerly identified in PG-00009)*	213	355				\$568
PG-98001	School Playing Field Irrigation*	149	125	125	125		\$524
	<i>Others</i>	(63)	(63)	(63)	(63)		\$(250)
PG-04010	Stanford /Palo Alto Community Playing Fields*	800					\$800
	<i>Development Impact Fees</i>	(212)					\$(212)
	<i>State Grant</i>	(588)					\$(588)
	Net Subtotal	\$1,610	\$2,839	\$2,137	\$1,823	\$1,715	\$10,124
Streets and Sidewalks							
PL-04010	Bicycle Boulevards Implementation Project*	50		50	50	50	\$200
PO-89003	Sidewalk Repairs*	2,135	2,056	1,870	1,870	1,870	\$9,801
PE-86070	Street Maintenance*	2,147	1,945	2,095	2,095	1,945	\$10,227
	<i>Street Improvement Fund</i>	(1,070)	(1,070)	(1,070)	(1,070)	(1,070)	\$(5,350)
	Net Subtotal	\$3,262	\$2,931	\$2,945	\$2,945	\$2,795	\$14,878
	Net Total Infrastructure	\$10,775	\$10,831	\$9,099	\$8,474	\$5,760	\$44,938
	Total Gross CityWorks Projects	13,255	12,713	10,244	9,619	6,909	\$52,740
Miscellaneous							
PL-06001	Adobe Creek Bicycle Bridge Replacement	50					\$50
	<i>Local Agency Grant</i>	(50)					\$(50)
PL-05002	Charleston/Arastradero Corridor Plan	100					\$100
	<i>Others</i>	(100)					\$(100)
PL-06002	Comprehensive Parking Signage Plan	125	500				\$625



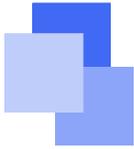
2005-10 Capital Improvement Projects *continued*

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
	<i>University Avenue Parking Permits Fund</i>	(125)	(500)				\$(625)
PL-06005	Installation of Ticket Machines	75					\$75
	<i>University Avenue Parking Permits Fund</i>	(75)					\$(75)
PE-06007	Park Restroom Installation	122	100	200	100	100	\$622
	<i>Development Impact Fees</i>	(100)	(100)	(200)	(100)	(100)	\$(600)
AC-86017	Art in Public Places	50	50	60	60	60	\$280
PE-05001	Photovoltaic Design and Installations	723	665				\$1,388
	<i>Enterprise Funds</i>	(332)	(332)				\$(665)
	<i>Federal Grant</i>	(332)	(332)				\$(665)
PL-00026	Safe Routes to School	100	100	100	100	100	\$500
	<i>Street Improvement Fund</i>	(100)	(100)	(100)	(100)	(100)	\$(500)
FD-05000	Sixteen(16) ALS Monitor/Defibrillators	120	120	120			\$360
	<i>Stanford</i>	(30)	(30)	(30)			\$(90)
PL-04002	South of Forest Ave. Street Improvements			100	400		\$500
PO-05054	Street Lights Improvements	106	110	115	120	125	\$576
PL-05030	Traffic Signal Upgrades		135	140	145	150	\$570
Net Total Miscellaneous		\$326	\$385	\$505	\$725	\$335	\$2,276
Capital Fund		\$14,826	\$14,537	\$11,079	\$10,544	\$7,444	\$58,430
Total Reimbursements		\$(3,725)	\$(3,322)	\$(1,475)	\$(1,345)	\$(1,350)	\$(11,216)
Net Capital Fund		\$11,102	\$11,216	\$9,604	\$9,199	\$6,095	\$47,215
VEHICLE REPLACEMENT FUND							
Miscellaneous							
VR-06800	MTBE Investigation at Fire Station #2	100					\$100
VR-06801	Replace Vehicle Fuel Transaction and Fuel Inventory Management System		200				\$200
VR-01000	MSC Equipment Maintenance Facility Storage Area	140					\$140
VR-01002	MSC Equipment Washing Facility Upgrade		250				\$250



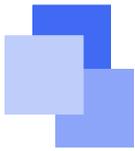
2005-10 Capital Improvement Projects *continued*

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
VR-04010	Vehicle Maintenance Facility Upgrades		100				\$100
Net Total Miscellaneous		\$240	\$550	\$0	\$0	\$0	\$790
Net Vehicle Replacement Fund		\$240	\$550	\$0	\$0	\$0	\$790
TECHNOLOGY FUND							
Technology							
TE-06002	9-1-1 Emergency Phone System Upgrade	324					\$324
	<i>State Grant</i>	(324)					\$(324)
TE-06000	Library Circulation Self-Service Checkout Stations	33					\$33
TE-06001	Library RFID Implementation	45	800				\$845
TE-99010	Acquisition of New Computers	16		75	75	75	\$241
	<i>Enterprise Funds</i>	(16)					\$(16)
	<i>General Fund</i>			(75)	(75)	(75)	\$(225)
TE-02015	Citywide GIS Data, Infra. & Applications	109	109	259	259	259	\$993
	<i>Enterprise Funds</i>	(70)	(70)	(167)	(167)	(167)	\$(643)
TE-02014	eGov-Web Infrastructure & Applications	150	135	135	135	135	\$690
	<i>Enterprise Funds</i>	(97)	(87)	(87)	(87)	(87)	\$(447)
TE-01012	IT Disaster Recovery Plan	60	60	60	60	60	\$300
	<i>Enterprise Funds</i>	(39)	(39)	(39)	(39)	(39)	\$(194)
TE-95016	Permit Information Tracking System	50					\$50
TE-05000	Radio Infrastructure Replacement	342	7	14	14	14	\$390
	<i>Enterprise Funds</i>	(68)	(1)	(3)	(3)	(3)	\$(78)
	<i>Stanford</i>	(55)	(1)	(2)	(2)	(2)	\$(62)
TE-00010	Telephone System Replacement	100	100				\$200
	<i>Enterprise Funds</i>	(65)	(65)				\$(129)
Net Total Technology		\$495	\$947	\$169	\$169	\$169	\$1,948
Technology Fund		\$1,229	\$1,210	\$543	\$543	\$543	\$4,067
Total Reimbursements		\$(734)	\$(264)	\$(374)	\$(374)	\$(374)	\$(2,119)
Net Technology Fund		\$495	\$947	\$169	\$169	\$169	\$1,948



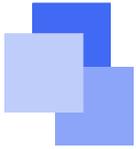
2005-10 Capital Improvement Projects *continued*

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
ELECTRIC FUND							
Miscellaneous							
EL-06004	Power Generation Alternatives - Feasibility Study	500					\$500
Net Total Miscellaneous		\$500	\$0	\$0	\$0	\$0	\$500
Commercial Telecommunications							
EL-98002	Fiber Optic Customer Connections	200	200	200	200	200	\$1,000
	<i>Others</i>	(200)	(200)	(200)	(200)	(200)	\$(1,000)
EL-98001	Fiber Optic Network System Improvements	100	100	100	100	100	\$500
Net Total Commercial Telecommunications		\$100	\$100	\$100	\$100	\$100	\$500
Distribution System - Customer Design and Connection Services							
EL-89028	Electric Customer Connections	1,500	1,600	1,700	1,800	1,900	\$8,500
	<i>Others</i>	(450)	(480)	(510)	(540)	(570)	\$(2,550)
Net Total Distribution System - Customer Design and Connection Services		\$1,050	\$1,120	\$1,190	\$1,260	\$1,330	\$5,950
Distribution System - System Improvements							
EL-06001	230 KV Electric Intertie	500					\$500
EL-08002	E. Meadow/Alma/Loma 4/ 12kV Conversion			60	600		\$660
EL-09002	Middlefield / Colorado 4/12 kV Conversion				20	200	\$220
EL-09000	Middlefield Underground Rebuild				75	500	\$575
EL-06000	Park Blvd. 4/12 kV Conversion		35	350			\$385
EL-10001	Rebuild UG District 17				100	500	\$600
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



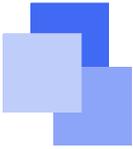
2005-10 Capital Improvement Projects *continued*

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
	<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	100			\$300
EL-04014	Automated Meter Reading System	520					\$520
	<i>Enterprise Funds</i>	(416)					\$(416)
EL-05001	Colorado Sw Sta 115kV Bus Installation	100	150	3,000			\$3,250
EL-93057	Customer Information System		300	300	300		\$900
	<i>Enterprise Funds</i>		(155)	(156)	(165)		\$(476)
EL-08000	E. Charleston 4/12kV Conversion			50	500		\$550
EL-05000	El Camino Underground Rebuild	100	1,500				\$1,600
EL-98003	Electric System Improvements	1,600	1,700	1,800	1,900	2,000	\$9,000
	<i>Others</i>	(150)	(160)	(170)	(180)	(190)	\$(850)
EL-02011	Electric Utility GIS	30	30	30	40		\$130
EL-04007	Embarcadero Rebuild 101 to Baylands	700	600				\$1,300
EL-04005	Holly Oak/Christine Underground Rebuild	100					\$100
EL-05022	Louis East Charleston 4/12kV Conversion	400					\$400
EL-05020	Mumford/Alma/Scripps 4/12kV	350					\$350
EL-05003	Relocation - Alma Substation		1,800	135			\$1,935
EL-05021	Ross/E. Meadow 4/12kV Conversion	250					\$250
EL-02010	SCADA System Upgrades	75	75				\$150
EL-89044	Substation Facility Improvements	135	140	145	150	155	\$725
EL-89038	Substation Protection Improvements	190	200	210	220	230	\$1,050
EL-03001	UG District 41 - Colorado/Cowper/Oregon		3,100	250			\$3,350
	<i>Others</i>		(1,240)	(100)			\$(1,340)
EL-99005	Utility Print Design	45	40	45	45		\$175



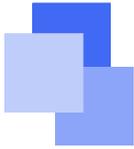
2005-10 Capital Improvement Projects *continued*

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
	<i>Enterprise Funds</i>	(23)	(21)	(23)	(23)		\$(91)
EL-04012	Utility Site Security Improvements	110	110				\$220
	<i>Enterprise Funds</i>	(66)	(66)				\$(132)
Net Total Distribution System - System Improvements		\$4,650	\$8,438	\$7,226	\$5,922	\$5,015	\$31,250
General Services - Communications							
EL-89031	Communications System Improvements	100	105	110	115	120	\$550
EL-04013	Foothills Communication Improvement Plan	60	90				\$150
Net Total General Services - Communications		\$160	\$195	\$110	\$115	\$120	\$700
Electric Fund		\$7,765	\$12,175	\$11,285	\$9,965	\$8,425	\$49,615
Total Reimbursements		\$(1,305)	\$(2,322)	\$(2,659)	\$(2,568)	\$(1,860)	\$(10,715)
Net Electric Fund		\$6,460	\$9,853	\$8,626	\$7,397	\$6,565	\$38,900
GAS FUND							
Distribution System - Customer Design and Connection Services							
GS-80017	Gas System Extensions	546	563	580	597	615	\$2,901
	<i>Others</i>	(546)	(563)	(580)	(597)	(615)	\$(2,901)
Net Total Distribution System - Customer Design and Connection Services		\$0	\$0	\$0	\$0	\$0	\$0
Distribution System - System Improvements							
GS-10001	GMR - Project 20					451	\$451
GS-03007	Directional Boring Equipment		53		56		\$109
GS-02013	Directional Boring Machine	30	165	35		40	\$270
GS-80019	Gas Meters and Regulators	254	262	270	278	286	\$1,350
GS-05002	GMR - Project 15	2,122					\$2,122
GS-06001	GMR - Project 16	402	4,236				\$4,638
GS-07002	GMR - Project 17		414	4,349			\$4,763
GS-08011	GMR - Project 18			425	4,465		\$4,890
GS-09002	GMR - Project 19				438	4,600	\$5,038
GS-03008	Polyethylene Fusion Equipment		27		30		\$57



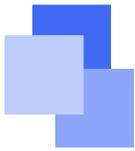
2005-10 Capital Improvement Projects *continued*

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
GS-03009	System Extensions - Unreimbursed	164	169	174	180	185	\$872
Net Total Distribution System - System Improvements		\$2,972	\$5,326	\$5,253	\$5,447	\$5,562	\$24,560
Gas Fund		\$3,518	\$5,889	\$5,833	\$6,044	\$6,177	\$27,461
Total Reimbursements		\$(546)	\$(563)	\$(580)	\$(597)	\$(615)	\$(2,901)
Net Gas Fund		\$2,972	\$5,326	\$5,253	\$5,447	\$5,562	\$24,560
WATER FUND							
Distribution System - Customer Design and Connection Services							
WS-80013	Water System Extensions	314	323	333	343	353	\$1,666
	<i>Others</i>	(314)	(323)	(333)	(343)	(353)	\$(1,666)
Net Total Distribution System - Customer Design and Connection Services		\$0	\$0	\$0	\$0	\$0	\$0
Distribution System - System Improvements							
WS-10001	WMR - Project 24					292	\$292
WS-04004	Mayfield Pump Station	1,300					\$1,300
WS-09000	Seismic Water Tank Valve				250	550	\$800
WS-07000	Turnouts Regulator Station Improvements		320	710			\$1,030
WS-02014	W-G-W Utility GIS Data	30	30	30	40		\$130
	<i>Enterprise Funds</i>	(20)	(20)	(20)	(27)		\$(87)
WS-80015	Water Meters	202	208	214	220	226	\$1,070
WS-80014	Water Service Hydrant Replacement	88	90	93	96	99	\$466
WS-07003	WMR - Project 21		226	2,404			\$2,630
WS-05001	WMR - Project 19	300					\$300
WS-06002	WMR - Project 20	220	2,334				\$2,554
WS-08017	WMR - Project 22			233	2,476		\$2,709
WS-09001	WMR - Project 23				240	2,806	\$3,046
Net Total Distribution System - System Improvements		\$2,120	\$3,188	\$3,664	\$3,296	\$3,973	\$16,241
Water Fund		\$2,454	\$3,531	\$4,017	\$3,665	\$4,326	\$17,993
Total Reimbursements		\$(334)	\$(343)	\$(353)	\$(370)	\$(353)	\$(1,753)
Net Water Fund		\$2,120	\$3,188	\$3,664	\$3,296	\$3,973	\$16,241



2005-10 Capital Improvement Projects *continued*

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
WASTEWATER COLLECTION FUND							
Distribution System - Customer Design and Connection Services							
WC-80020	Sewer System Extensions	357	367	378	389	401	\$1,892
	<i>Others</i>	(357)	(367)	(378)	(389)	(401)	\$(1,892)
Net Total Distribution System - Customer Design and Connection Services		\$0	\$0	\$0	\$0	\$0	\$0
Distribution System - System Improvements							
WC-10002	WW Collection Sys. Rehab/ Aug. Project 23					280	\$280
WC-99013	Sewer Manhole Rehab/ Replacement	400	400	400	400	400	\$2,000
WC-05003	WW Collection Sys. Rehab/ Aug. Project 18	3,225					\$3,225
WC-06003	WW Collection Sys. Rehab/ Aug. Project 19	340	3,335				\$3,675
WC-07004	WW Collection Sys. Rehab/ Aug. Project 20		255	2,400			\$2,655
WC-08012	WW Collection Sys. Rehab/ Aug. Project 21			265	2,600		\$2,865
WC-09001	WW Collection Sys. Rehab/ Aug. Project 22				270	2,575	\$2,845
Net Total Distribution System - System Improvements		\$3,965	\$3,990	\$3,065	\$3,270	\$3,255	\$17,545
Wastewater Collection Fund		\$4,322	\$4,357	\$3,443	\$3,659	\$3,656	\$19,437
Total Reimbursements		\$(357)	\$(367)	\$(378)	\$(389)	\$(401)	\$(1,892)
Net Wastewater Collection Fund		\$3,965	\$3,990	\$3,065	\$3,270	\$3,255	\$17,545
WASTEWATER TREATMENT FUND							
Wastewater Treatment - System Improvements							
WQ-04011	Facility Condition Assess. & Retrofit	800	700				\$1,500
WQ-80021	Plant Equipment Replacement	300	400	2,400	2,500	2,500	\$8,100
WQ-04010	Replace Existing Reclaimed Water Pipe	8,000	4,000				\$12,000
	<i>Local Agency Grant</i>	(3,000)	(3,200)				\$(6,200)

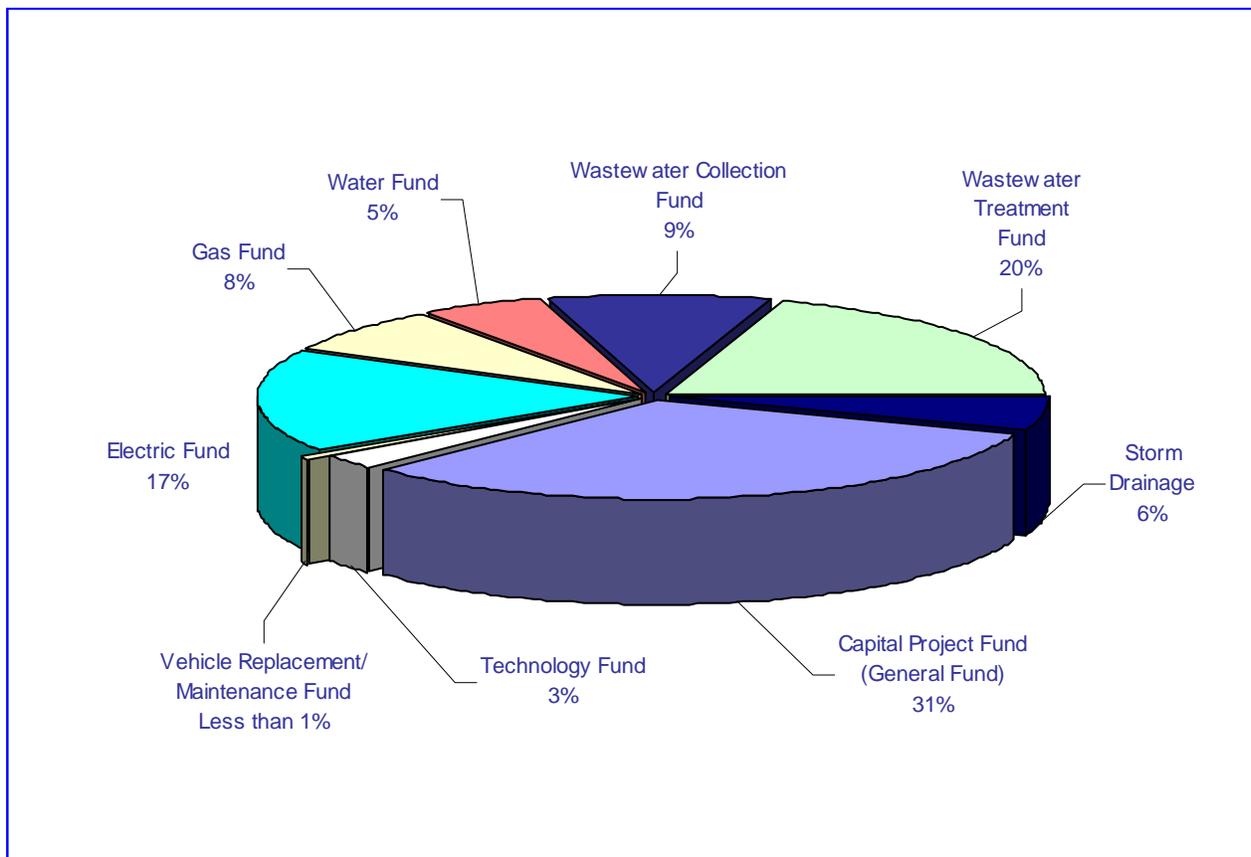


2005-10 Capital Improvement Projects *continued*

(\$000) CIP NUMBER	PROJECT TITLE	2005-06	2006-07	2007-08	2008-09	2009-10	TOTAL
	<i>State Grant</i>	(3,800)					\$(3,800)
	<i>Enterprise Funds</i>	(500)					\$(500)
WQ-80022	System Flow Meter	100	100	100	100	100	\$500
Net Total Wastewater Treatment - System Improvements		\$1,900	\$2,000	\$2,500	\$2,600	\$2,600	\$11,600
Wastewater Treatment Fund		\$9,200	\$5,200	\$2,500	\$2,600	\$2,600	\$22,100
Total Reimbursements		\$(7,300)	\$(3,200)	\$0	\$0	\$0	\$(10,500)
Net Wastewater Treatment Fund		\$1,900	\$2,000	\$2,500	\$2,600	\$2,600	\$11,600
STORM DRAINAGE FUND							
Collection System - System Improvements							
SD-08101	Alma Street Storm Drain Improvements			225	1,420		\$1,645
SD-06104	Connect Clara Drive Storm Drains to Matadero Pump Station	218	740				\$958
SD-06103	Extend Gailen/Bibbits Storm Drain Outfall to the Adobe Pump Station	691					\$691
SD-06105	Innovative Storm Drain Improvements	135	125	125	125	125	\$635
SD-06102	San Francisquito Creek Storm Water Pump Station	950	1,600	2,175			\$4,725
SD-10101	Southgate Neighborhood Storm Drain Improvements					940	\$940
SD-06101	Storm Drain System Replacement and Rehabilitation	578	500	500	500	500	\$2,578
Net Total Collection System - System Improvements		\$2,573	\$2,965	\$3,025	\$2,045	\$1,565	\$12,173
Net Storm Drainage Fund		\$2,573	\$2,965	\$3,025	\$2,045	\$1,565	\$12,173

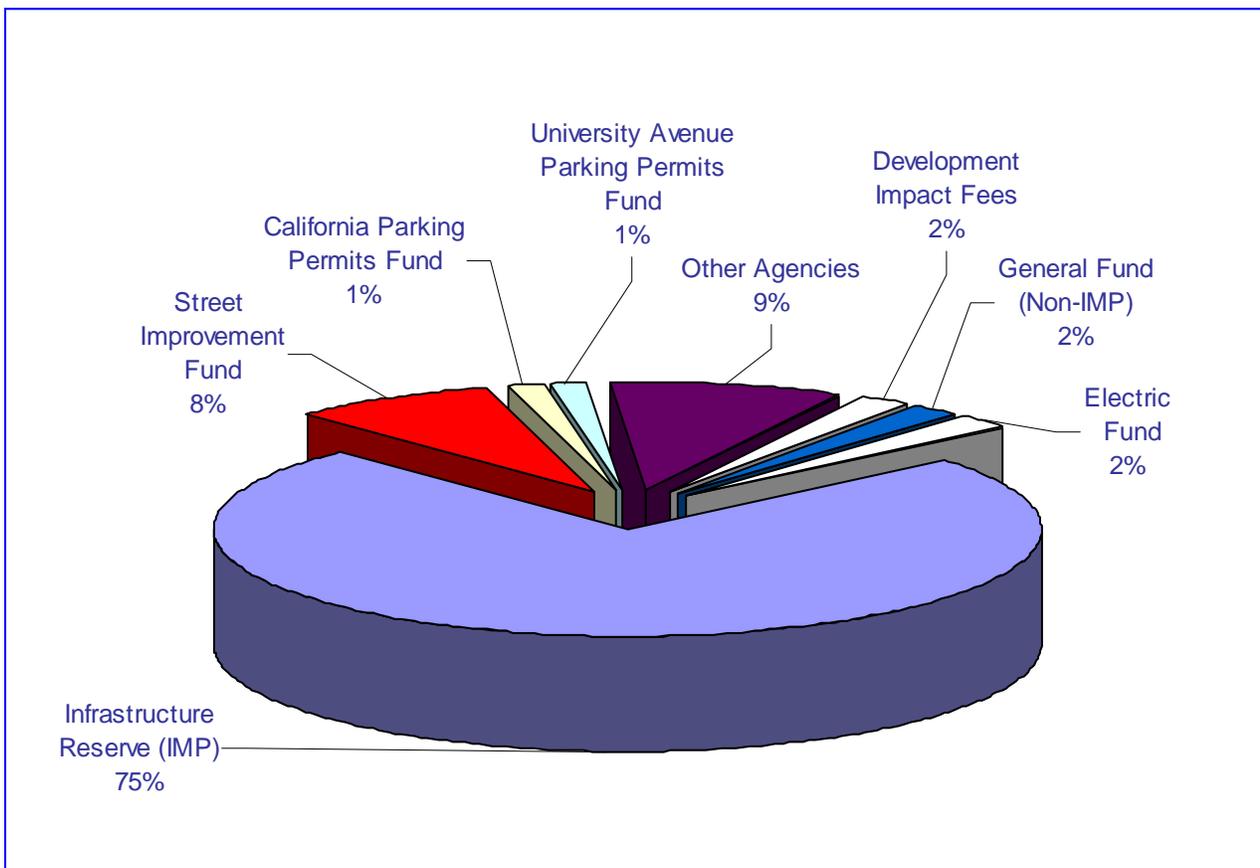
2005-06 Capital Projects by Fund-Chart

\$46.1 Million / Adopted 2005-06



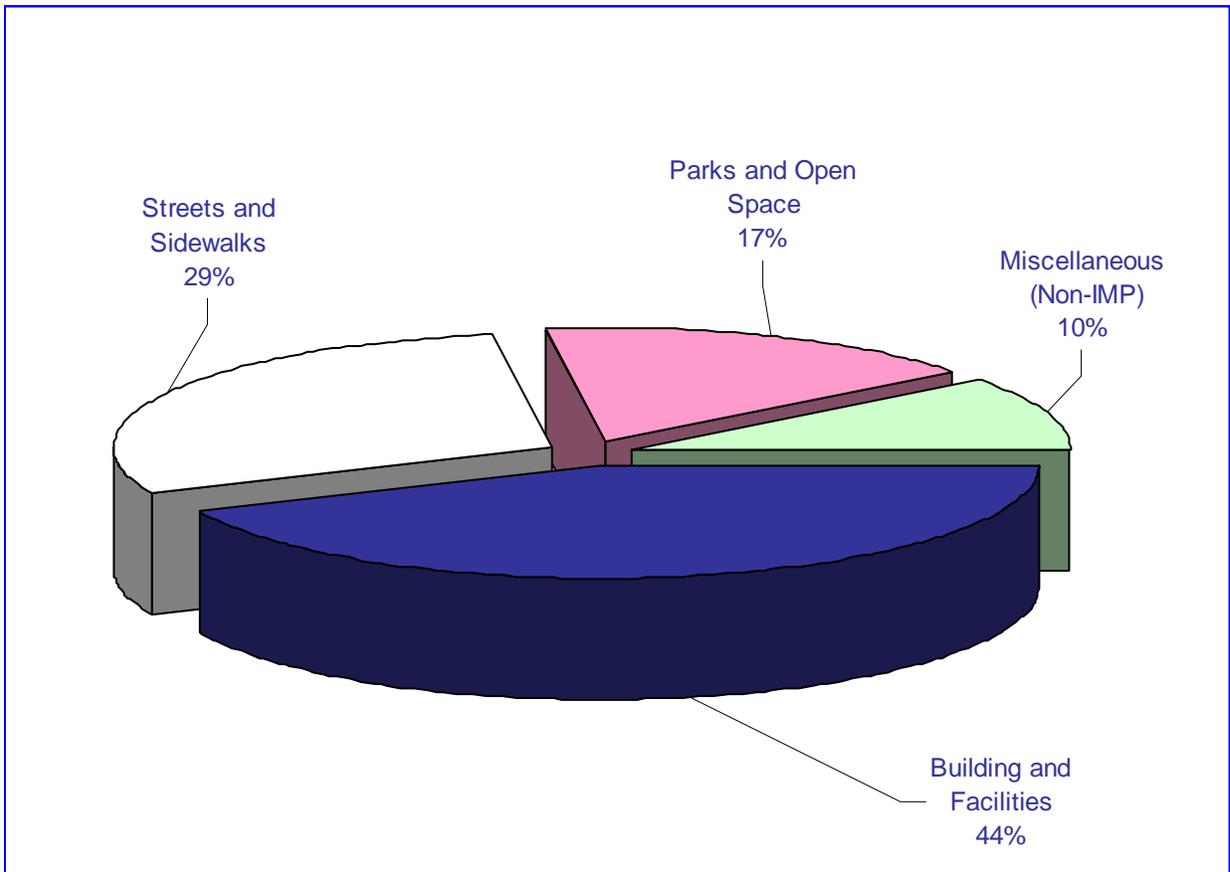
2005-06 General Fund Capital Projects - Funding Sources Chart

\$14.8 Million / Adopted 2005-06



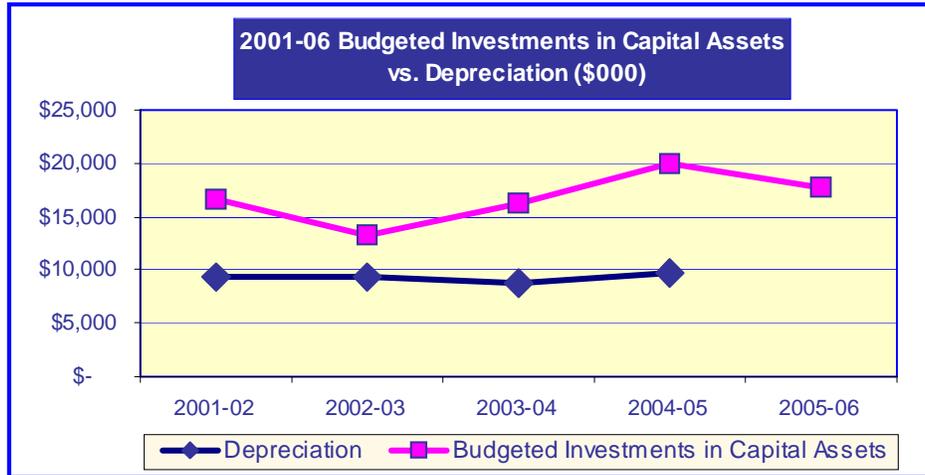
2005-06 General Fund - Capital Projects by Category Chart

\$14.8 Million / Adopted 2005-06



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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				
	2001-02 Actual	2002-03 Actual	2003-04 Actual	2004-05 Projected	2001-02 Adopted	2002-03 Adopted	2003-04 Adopted	2004-05 Adopted	2005-06 Adopted
Buildings and Improvements	312	315	305	298	1,619	3,788	4,552	7,044	6,438
Equipment	3,163	3,090	2,596	3,428	5,094	3,939	5,596	4,945	5,040
Roadway Network	5,755	5,800	5,704	5,732	6,488	4,562	4,240	5,228	4,332
Recreation and Open Space Network	129	152	204	208	3,333	866	1,907	2,790	2,486
TOTALS	\$9,359	\$9,357	\$8,809	\$9,666	\$16,534	\$13,155	\$16,295	\$20,007	\$18,296

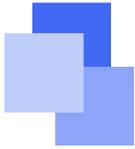
NOTE: Depreciation is computed using the straight line method which means that cost of the asset is divided by its expected useful life in years. This methodology is consistent with generally accepted accounting principles applied in the preparation of the City's Comprehensive Annual Financial Report (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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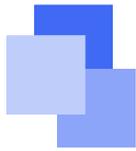
2004-05 ADOPTED CIP PROJECTS

PROJECT NUMBER	PROJECT TITLE	2004-05 ADOPTED BUDGET AMOUNT
Capital Fund		
PF-93009	Americans with Disabilities Act Compl.	174,960
PE-04014	Animal Shelter Expansion & Renovation	1,903,050
PE-05300	Arastradero Preserve Gateway	73,706
AC-86017	Art in Public Places	55,000
PL-04010	Bicycle Blvds. Implementation Project	50,000
PE-04010	Children's Library Improvements	2,172,540
PF-01002	Civic Center Infrastructure Improvements	44,096
PE-95012	Civic Center Plaza Waterproofing	131,510
PL-05003	College Terrace Traffic Calming	150,000
PF-04012	Cubberley Building I Air Conditioning	169,160
PF-04010	Cubberley Mech. and Electrical Upgrades	29,120
PG-01013	El Camino Median Landscape Improvements	300,000
PF-01004	Fire Station Improvements	1,049,070
PE-04013	Fire Stations 3 & 4 Feasibility Study	53,950
PE-01021	Homer Avenue Undercrossing	16,250
PG-00009	Medians/Island/Planters	459,723
PL-04003	Middlefield Rd. Circ. Improve. - Midtown	55,000
PG-98003	Mitchell Park Facilities Improvements	870,798
PE-04012	Mitchell Park Library & Community Center	107,280
PE-99006	MSC Feasibility Study	38,025
PF-05002	Municipal Service Center Renovation	120,800
OS-00002	Open Space Lakes/Ponds Maintenance	3,257
PE-99023	Page Mill/Hanover Intersection Improvs.	600,000
PG-00010	Park Facilities Improvements	1,082,000
PE-05001	Photovoltaic Design and Installations	683,970
PE-98020	Police Building Project	75,000
PF-00006	Roofing Replacement	16,640
PE-00018	Sand Hill Road Bridge S. Retrofit	26,975
PF-04000	Security System Improvements	200,000
PO-89003	Sidewalk Repairs	2,041,600
FD-05000	Sixteen(16) ALS Monitor/Defibrillators	120,000
PL-04002	South of Forest Ave. Street Improvements	25,000
PO-05054	Street Lights Improvements	101,000
PE-86070	Street Maintenance	2,075,286
PL-05030	Traffic Signal Upgrades	130,000
PE-03005	Wildhorse Valley Bridge	32,500
	Total Capital Fund	\$15,237,266



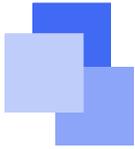
2004-05 Adopted CIP Projects *continued*

PROJECT NUMBER	PROJECT TITLE	2004-05 ADOPTED BUDGET AMOUNT
Community Development Block		
SR-01090	Lytton Gardens - Kitchen Renovation	109,695
SR-01053	New Housing Development	409,312
SR-01091	Stevenson House - Hot Water Piping	38,260
Total Community Development Block		\$557,267
Vehicle Replacement Fund		
VR-04011	Compr. Natural Gas Refueling Sta. Reloc.	200,000
VR-05001	Field Service Truck	125,000
VR-05005	Fuel Tank Vapor Recovery System Upgrades	50,000
VR-05002	Light-Duty Pickup Truck	25,000
VR-04010	Vehicle Maintenance Facility Upgrades	125,000
Total Vehicle Replacement Fund		\$525,000
Technology Fund		
TE-99010	Acquisition of New Computers	7,500
TE-02015	Citywide GIS Data, Infra. & Applications	258,632
TE-02012	Desktop Automation	25,000
TE-05002	Document Management Implementation	500,000
TE-02014	eGov-Web Infrastructure & Applications	300,000
TE-05003	Internet Site Upgrade	240,000
TE-01012	IT Disaster Recovery Plan	60,000
TE-95016	Permit Information Tracking System	150,000
TE-05000	Radio Infrastructure Replacement	385,000
TE-05001	SAP Continuous Improvement Project	232,000
TE-00010	Telephone System Replacement	100,000
Total Technology Fund		\$2,258,132
Electric Fund		
EL-04014	Automated Meter Reading System	302,000
EL-02009	Baylands UG	150,000
EL-05001	Colorado Sw Sta 115kV Bus Installation	30,000
EL-89031	Communications System Improvements	96,000
EL-93057	Customer Information System	230,000
EL-03013	Electric and WGW Estimating System	25,000
EL-89028	Electric Customer Connections	2,010,000
EL-98003	Electric System Improvements	2,100,000
EL-02011	Electric Utility GIS	30,000
EL-04007	Embarcadero Rebuild 101 to Baylands	1,200,000
EL-98002	Fiber Optic Customer Connections	400,000
EL-98001	Fiber Optic Network System Improvements	200,000



2004-05 Adopted CIP Projects *continued*

PROJECT NUMBER	PROJECT TITLE	2004-05 ADOPTED BUDGET AMOUNT
EL-04013	Foothills Communication Improvement Plan	150,000
EL-04005	Holly Oak/Christine Underground Rebuild	500,000
EL-05022	Louis East Charleston 4/12/kV Conversion	35,000
EL-05020	Mumford/Alma/Scripps 4/12kV	30,000
EL-05003	Relocation - Alma Substation	500,000
EL-05021	Ross/E. Meadow 4/12kV Conversion	20,000
EL-02010	SCADA System Upgrades	170,000
EL-99003	Stanford Business Park UG Rebuild	300,000
EL-89044	Substation Facility Improvements	130,000
EL-89038	Substation Protection Improvements	180,000
EL-01017	Traffic Signals Controller Upgrade	260,000
EL-03014	UG District 40 Edgewood Drive	20,000
EL-03005	UG Distr. 39 Sherman/Park/Page Mill/ECR	100,000
EL-03001	UG District 41 Colorado/Cowper/Oregon	100,000
EL-99005	Utility Print Design	50,000
EL-04012	Utility Site Security Improvements	100,000
EL-04006	Welch Road Underground System Rebuild	424,000
Total Electric Fund		\$9,842,000
Gas Fund		
GS-80019	Gas Meters and Regulators	147,000
GS-80017	Gas System Extensions	536,000
GS-05002	GMR - Project 15	391,000
GS-03002	GMR Project 13	91,200
GS-04003	GMR Project 14	2,173,800
GS-03009	System Extensions - Unreimbursed	159,000
GS-05001	Vans for SCADA Technicians	76,000
Total Gas Fund		\$3,574,000
Water Fund		
WS-01012	Booster Station Improvements-PRV's	50,000
WS-01011	Dis. System Wtr Quality Enhancements	174,000
WS-01010	Reservoir Booster Station Improvements	3,296,000
WS-05000	Two(2) New Vehicles-Water Transmission	140,000
WS-02014	W-G-W Utility GIS Data	30,000
WS-80015	Water Meters	196,000
WS-80014	Water Service Hydrant Replacement	85,500
WS-80013	Water System Extensions	355,000
WS-05002	Water System Sampling Stations	175,000
WS-03004	WMR Project 17	205,000
WS-05001	WMR Project 19	212,000



2004-05 Adopted CIP Projects *continued*

PROJECT NUMBER	PROJECT TITLE	2004-05 ADOPTED BUDGET AMOUNT
Total Water Fund		\$4,918,500
Wastewater Collection Fund		
WC-99013	Sewer Manhole Rehab/Replacement	400,000
WC-80020	Sewer System Extensions	347,000
WC-02002	WW Collection Sys. Rehab/Aug. Project 15	103,000
WC-03003	WW Collection Sys. Rehab/Aug. Project 16	100,000
WC-04002	WW Collection Sys. Rehab/Aug. Project 17	2,142,000
WC-05003	WW Collection Sys. Rehab/Aug. Project 18	255,000
Total Wastewater Collection Fund		\$3,347,000
Refuse Fund		
RF-04011	Leachate System	50,000
Total Refuse Fund		\$50,000
Wastewater Treatment Fund		
WQ-04011	Facility Condition Assess. & Retrofit	800,000
WQ-80021	Plant Equipment Replacement	300,000
WQ-04010	Replace Existing Reclaimed Water Pipe	4,000,000
WQ-80022	System Flow Meter	80,000
Total Wastewater Treatment Fund		\$5,180,000
GRAND TOTAL		\$45,489,165



CIP Capital Fund Projects

General Fund - Capital Improvement Program

An Overview



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.

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 2005-06 Adopted Capital Fund CIP includes \$14.8 million in project expenditures. This amount is reduced by a net \$3.8 million in reimbursements including \$1.2 million from the Street Improvement Fund dedicated to street maintenance.

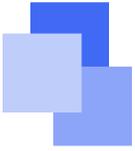
This fund has a total of 20.2 Full Time Equivalent (FTE) employees for 2005-06. This includes 5.78 FTE transfer from the General Fund as additional CIP-related staffing needs have been identified for capital work.

Infrastructure

The focus on the infrastructure needs of the community continues to be one of the City Council's Top Five Priorities. 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.

There has been an enormous amount of work accomplished with the IMP implementation. Approximately \$13.0 million was budgeted for IMP infrastructure work in 2004-05 and approximately \$12.7 million is planned for 2005-06. This compares to the "baseline" spending in Fiscal Year 1999-00 of \$6.3 million.

Fiscal Year 2005-06 is the sixth year that a budget has been prepared for the IMP and the fifth 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.

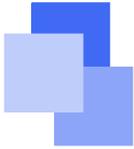


General Fund - Capital Improvement Program *continued*

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 2005-06 IMP Budget includes a contingency fund for sustainability 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 fund will be used for specific measures that are either cost-effective resource efficiency projects or sustainability measures identified under nationally recognized standards.



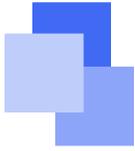
General Fund - Capital Improvement Program

continued

New Projects

The 2005-10 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.

2005-10 CIP List of New Projects GENERAL FUND	
CIP NO.	Project Title
Building and Facilities	
PF-07000	Art Center Electrical and Mechanical Upgrades
PF-07002	Baylands Interpretive Center Improvement
PF-09000	Children's Theatre Improvements
PE-05010	College Terrace Library Improvements
PF-06003	Cubberley Community Center Fire Alarm
PF-06004	Cubberley Restroom Upgrades
PF-07001	Cubberley Wing I Elevator Upgrade
PF-09001	Downtown Library Mechanical and Electrical Upgrades
PE-06001	San Antonio Bridge Structural Repairs and Maintenance
Parks and Open Space	
PE-06006	Alma Street Landscaping Improvements
PG-06003	Benches, Signage, Fencing, Walkways, and Landscaping
PE-07006	Boulware Park Improvement
PE-06004	Bowden Park Improvements
PE-07005	California Avenue Fountain Repair
PG-06010	City Parks Improvement
PE-07004	Cogswell Plaza Improvement
PE-06012	Cubberley Landscaping
PE-07007	Cubberley Turf Renovation
PE-07002	Hoover Park Improvements
PE-07001	Hopkins Park Improvements
PE-06008	Johnson Park Improvements
PE-07003	Ramos Park Improvements
PE-08001	Rinconada Park Improvements
PE-06011	Street Median Improvements
PG-06001	Tennis and Basketball Court Resurfacing
PE-06005	University Avenue Gateway Landscaping Improvements
Non-IMP Projects	
PL-06001	Adobe Creek Bicycle Bridge Replacement
PL-05002	Charleston/ Arastradero Corridor Plan
PL-06002	Comprehensive Parking Signage
PL-06005	Installation of Ticket Machines
PE-06007	Park Restroom Installation



General Fund - Capital Improvement Program

continued

Council Policy Direction

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

2005-10 CIP List of Projects Requiring Council Policy Direction		Council Policy Direction Criteria
CIP NO.	Project Title	
General Fund		
PE-05010	College Terrace Library Improvements	3
PF-09001	Downtown Library Mechanical and Electrical Upgrades	3
PF-01004	Fire Station Improvements	4
PF-07010	Main Library Improvements	3
PF-04012	Mitchell Park Library and Community Center	3,4
PE-06001	San Antonio Bridge Structural Repairs and Maintenance	4
PL-04010	Bicycle Boulevards Implementation Project	4
PO-89003	Sidewalk Repairs	3
PE-07005	California Avenue Fountain Repair	4
PE-06012	Cubberley Landscaping	4
PE-07007	Cubberley Turf Renovation	4
PG-04010	Stanford/Palo Alto Community Playing Fields	3,4
PL-06001	Adobe Creek Bicycle Bridge Replacement	4
PE-06007	Park Restroom Installation	3,4,7
PE-05001	Photovoltaic Design and Installations	4,7
PL-04002	South of Forest Ave. Street Improvements	4
PL-00026	Safe Routes to School	3,4
PL-05002	Charleston/Arastradero Corridor Plan	4

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

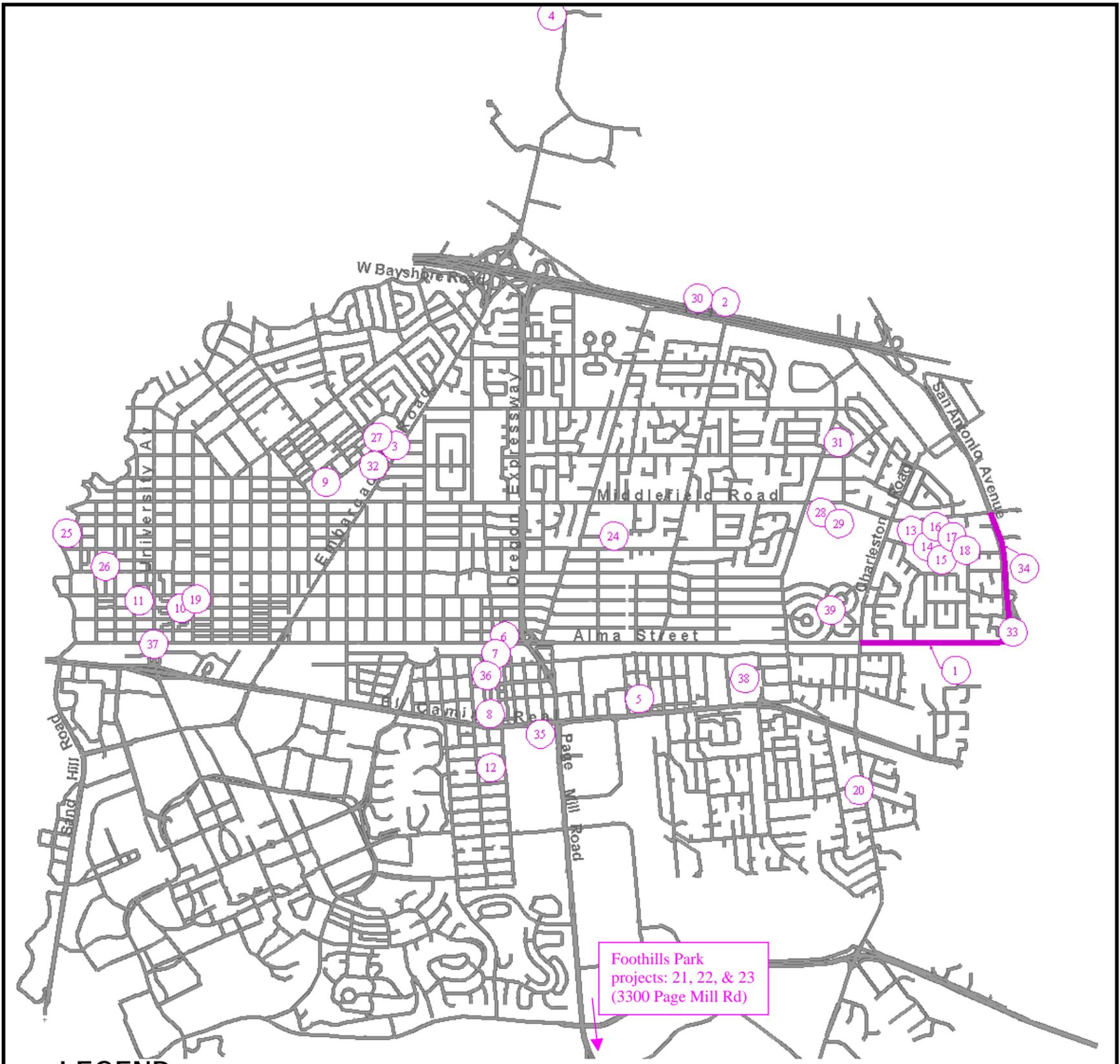
1. Project would require an amendment to the Comprehensive Plan or other master plans.
2. Project would require a change in land use.
3. Project involves a significant change in service levels requiring additional staffing or other resources.
4. Project is not in planned General Fund IMP and/or does 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).



Infrastructure Management Plan



INFRASTRUCTURE MANAGEMENT PLAN
Capital Improvement Program



LEGEND

- | | |
|--|--|
| 1 PE-06006 Alma Street Median Improvements (2005-07) | 20 PF-01004 Fire Station Improvements (2005-06) |
| 2 PE-04014 Animal Shelter Expansion & Renovation (2005-06) | 21 OS-07002 Foothills Interp. Center & Maint. Yard Parking (2006-07) |
| 3 PF-07000 Art Center Electrical & Mechanical Upgrades (2006-07) | 22 PF-05003 Foothills Park Interp. Center Improvements (2005-07) |
| 4 PF-07002 Baylands Interpretive Center Improvement (2006-07) | 23 OS-07003 Foothills Park Maint. Bldg. Rehab. (2006-07) |
| 5 PE-07006 Boulware Park Improvements (2006-07) | 24 PE-07002 Hoover Park Improvements (2006-07) |
| 6 PE-06004 Bowden Park Improvements (2005-06) | 25 PE-07001 Hopkins Park Improvements (2006-07) |
| 7 PE-07005 California Avenue Fountain Repair (2006-07) | 26 PE-06008 Johnson Park Improvements (2005-06) |
| 8 PE-04011 Cambridge Parking Structure (2005-06) | 27 PF-07010 Main Library Improvements (2007-09) |
| 9 PF-09000 Children's Theater Improvements (2008-10) | 28 PE-98003 Mitchell Park Facilities Improvements (2005-06) |
| 10 PF-01002 Civic Center Infrastructure Improvements (2005-09) | 29 PE-04012 Mitchell Park Library & Comm Ctr. Improvements (2005-06) |
| 11 PE-07004 Cogswell Plaza Improvements (2006-07) | 30 PF-05002 Municipal Service Center Renovation (2006-08) |
| 12 PE05010 College Terrace Library Improvements (2005-07) | 31 PE-07003 Ramos Park Improvements (2006-07) |
| 13 PF-06003 Cubberley Community Center Fire Alarm System (2005-07) | 32 PG-00010 Rinconada Park Improvements (2007-08) |
| 14 PE-06012 Cubberley Landscaping (2005-06) | 33 PE-06001 San Antonio Bridge Structural Repairs (2006-07) |
| 15 PF-04010 Cubberley Mechanical and Electrical Upgrades (2005-10) | 34 PE-00104 San Antonio Medians (2005-07) |
| 16 PF-06004 Cubberley Restroom Upgrades (2006-07) | 35 PG-04010 Stanford/Palo Alto Community Playing Fields (2005-06) |
| 17 PE-07007 Cubberley Turf Renovation (2006-07) | 36 PF-06001 Ted Thompson Garage Improvements (2009-10) |
| 18 PF07001 Cubberley Wing I Elevator Upgrade (2006-07) | 37 PE-06005 Univ. Ave. Gateway Landscaping Improvements (2005-06) |
| 19 PF09001 Downtown Library Mechanical & Electrical Upgrades (2008-09) | 38 PF-06002 Ventura Buildings Improvements (2006-08) |
| | 39 PL-05002 Charleston/Arastradero Corridor Plan (2005-06) |



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. This project provides continued funding for improvements on an as-needed basis to address immediate, unforeseen, and unscheduled needs. This funding will also be utilized for other CIP project design or construction phases where ADA improvements are identified. Additionally, work identified in the 1992 Transition Plan will continue to be accomplished as staffing and funding allow

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. An implementation schedule was developed and will continue to be implemented in the FY 2005-10 CIP.

CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2006-2010
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers Policies 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$150,000	\$150,000				\$300,000
Other	\$20,280					\$20,280
Total Budget Request	\$170,280	\$150,000				\$320,280
Revenues:						
Source of Funds:	Infrastructure Reserve					



ANIMAL SHELTER EXPANSION & RENOVATION (PE-04014)

Description: This project will provide a 2,000 square foot expansion to the Animal Shelter to increase administrative space, cat rooms, veterinary receiving/treatment area, spay/neuter clinic, storage areas, and add a small animal room. A new separate 2,300 square foot dog kennel building will also be added. In addition, the HVAC system will be renovated or replaced, electrical service panels will be upgraded, and ADA requirements will be met. If necessary, the structure will be seismically evaluated.

Justification: Since 1993, the City has provided animal control services to the cities of Mountain View, Los Altos, and Los Altos Hills. In December 2003, the City entered in to an agreement with the City of Sunnyvale for sheltering services beginning January 1, 2004. In order to provide services to Sunnyvale, and because Palo Alto has reached its capacity for housing and kenneling animals, an expansion of the facility is needed.

Supplemental Information: This is an additional request in FY 2005-06. The cities of Sunnyvale, Mountain View, Los Altos and Los Altos Hills will reimburse the City of Palo Alto the total amount of \$269,000 for this \$442,875 project.

Several items from the design effort were not included in the original budget. The items generally belong in the category of structural and seismic improvements, termite and dry rot repair, or accessibility upgrades. They include: fumigating the buildings and repairing dry rot; adding seismic hold-downs to foundations and connecting the covered walkway to the building in order to improve seismic stability; strengthening existing roof joists; repairing damage at the northwest wall storage area; adding a firewall and fire sprinklers; and adding various ADA improvements to the existing staff area. In addition to these improvements, the overall cost of the project has increased due to the escalating cost of construction materials and labor.

Other represents IMP staff support.

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2005-2007
- **Overall Project Completion:** 30%
- **Percent Spent:** 3.25%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24 and Program C-19
- **Board/Commission Review:** ARB

IMPACT ANALYSIS:

- **Environmental:** An environmental analysis has been completed
- **Design Elements:** This project will be subject to review by the ARB.
- **Operating:** Reduces structural and system maintenance costs.



ANIMAL SHELTER EXPANSION & RENOVATION (PE-04014)

continued

PRIOR YEARS

PY Budget	\$2,318,050
PY Actuals as of 12/31/2004	\$75,344

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$360,000					\$360,000
Other	\$82,875					\$82,875
Total Budget Request	\$442,875					\$442,875
Revenues:	\$269,000					\$269,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Local Agency Grant(\$269,000)					

NEW



ART CENTER ELECTRICAL & MECHANICAL UPGRADES (PF-07000)

Description: This project will provide replacement of original mechanical and electrical equipment and systems to meet current occupant need, provide code compliance, and to optimize operation and energy efficiency.

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 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, and architectural design as required for the mechanical and electrical work.

CIP FACTS:

- **New**
- **Project Status:** Design
- **Timeline:** FY 2007-2008
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers Policy C-24.

IMPACT ANALYSIS:

- **Environmental:** This project is categorically exempt under CEQA Sec 15301.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs		\$75,000				\$75,000
Construction Costs			\$500,000			\$500,000
Other						
Total Budget Request		\$75,000	\$500,000			\$575,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



**BAYLANDS INTERPRETIVE CENTER IMPROVEMENT
(PF-07002)**

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

Justification: This project will replace exterior siding and other structural upgrades as required. This was identified in the Infrastructure Management Plan and is required to maintain the integrity of the building shell. Without this, water will infiltrate into the building framing and the structure itself will deteriorate.

CIP FACTS:

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2007
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers Policy C-24.

IMPACT ANALYSIS:

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

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$267,000				\$267,000
Other						
Total Budget Request		\$267,000				\$267,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



BUILDING SYSTEMS IMPROVEMENTS (PF-01003)

Description: This project provides for electrical, mechanical, and structural system upgrades as required at various City facilities. Facility system improvements occur on an as needed basis and 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 for upgrades to the electrical systems in facilities with systems that are overloaded, or are no longer efficient. Due to increased usage of computers and other devices over the past ten years, many buildings have 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 equipment or increased loading.

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2006-2007
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$63,000	\$100,000		\$100,000		\$263,000
Other						
Total Budget Request	\$63,000	\$100,000		\$100,000		\$263,000
Revenues:	\$63,000					\$63,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Local Agency Grant(\$63,000)					



CAMBRIDGE PARKING STRUCTURE IMPROVEMENTS (PE-04011)

Description: This project will design and implement waterproofing and structural repairs for the Cambridge Parking Structure. In 2003-04, a consultant was hired to do a structural engineering and waterproofing evaluation.

Justification: The structure has been identified in the Infrastructure Management Plan requiring waterproofing of the top deck, upgrading and replacing the existing lighting fixtures, and repairing miscellaneous trim. An evaluation of the structural condition, including recommended retrofits, has been conducted to ensure that the garage is structurally sound because the parking structure is showing signs of stress. Repair and maintenance will extend the useful life and usability of the parking structure.

Consultant Services Scope: See supplemental information

Supplemental Information: The consultant shall complete a design and deliver construction documents relating to the maintenance of the Cambridge Parking Structure. The consultant shall create plans and specify materials to be used in, among other things, the sealing of the concrete slab, sealing of cracks and control joints, patching of damaged connections, application of asphalt seal coat and maintaining miscellaneous metals and railing.

Other represents IMP staff support.

CIP FACTS:

- **Continuing**
- **Timeline:** FY 2005-2007
- **Percent Spent:** 96.85%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24 and Program C-19
- **Board/Commission Review:** ARB

IMPACT ANALYSIS:

- **Environmental:** Categorically exempt for CEQA under section 15301.
- **Design Elements:** ARB review will be required for any exterior improvements.
- **Operating:** Reduces structural and systems maintenance costs.

PRIOR YEARS

PY Budget	\$67,720
PY Actuals as of 12/31/2004	\$65,589

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$40,000					\$40,000
Construction Costs	\$160,000					\$160,000
Other	\$29,710					\$29,710
Total Budget Request	\$229,710					\$229,710
Revenues:	\$200,000					\$200,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: California Avenue Parking Permits Fund(\$200,000)					



CHILDREN'S LIBRARY IMPROVEMENTS (PE-04010)

Description: This project provides for seismic retrofit, roof replacement, and building systems upgrades, including air-conditioning, for the Children's Library. Additionally, an approximately 1,600 square foot north wing is planned in partnership with the Palo Alto Library Foundation (PALF) and Friends of Palo Alto Library (FOPAL). This wing will house a program room and restrooms. Construction will meet the Secretary of the Interior's Guidelines for Rehabilitation of Historic Structures.

Justification: As identified in the Adamson Report, Buildings and Facilities Module, the library's electrical and mechanical systems are antiquated and do not provide adequate ventilation and lighting for the users. The roof leaks and needs to be repaired. In addition, the building needs renovations to meet current ADA requirements and to ensure that the structural integrity meets seismic requirement standards along with interior upgrades of the flooring and paint.

Consultant Services Scope: Previously reviewed by Council Committee

Supplemental Information: Other=IMP Staff Support

PRIOR YEARS

PY Budget	\$2,472,540
PY Actuals as of 12/31/2004	\$497,047

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$3,000					\$3,000
Other	\$121,875					\$121,875
Total Budget Request	\$124,875					\$124,875
Revenues:	\$3,000					\$3,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Local Agency Grant(\$3,000)					

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2004-2007
- **Overall Project Completion:** 10%
- **Percent Spent:** 20.10%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24 and Program C-19
- **Board/Commission Review:** HRB, ARB, Art Commission

IMPACT ANALYSIS:

- **Environmental:** An environmental analysis has been completed.
- **Design Elements:** Design may be subject to review by the HRB, ARB, Art Comm.
- **Operating:** Reduces cost of structural and systems maintenance.



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, 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 on-going 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 construction documents. Consultant shall also provide construction administration services.

CIP FACTS:

- **New**
- **Timeline:** FY 2009-2010
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers Policy C-24 of the Comp.Plan

IMPACT ANALYSIS:

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

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs				\$100,000		\$100,000
Construction Costs					\$500,000	\$500,000
Other						
Total Budget Request				\$100,000	\$500,000	\$600,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



CIVIC CENTER INFRASTRUCTURE IMPROVEMENTS (PF-01002)

Description: This project provides for the upgrade of building systems within the Civic Center per the Infrastructure Management Plan. The scope of the improvements include electrical system upgrades, generator replacement, mechanical systems upgrades, and building exterior sealing and painting. The study/preliminary design phase is completed. See Supplemental Information.

Justification: The Civic Center is 35 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: The elevator upgrade is being completed as Phase I of the construction, with the design and bidding phases being completed in FY 2003-04, and the construction phase in FY 2004-05 and 2005-06.

Design work for the remainder of the project will be completed in FY 2004-05.

Due to the increased cost of construction, the remainder of the project will be phased over a five year period from FY 2005-06 through FY 2009-10. In FY 2005-06, the main building generator, boiler, and garage mechanical systems will be upgraded. In FY 2006-07, the ventilation units that serve the building will be upgraded. In FY 2007-08, the distribution systems for ventilation on the floors will be upgraded. In FY 2008-09, main electrical systems including transformers, panels, etc. will be upgraded. In FY 2009-10, the remainder of the electrical, exterior painting and sealing, and miscellaneous mechanical will be upgraded.

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2005-2010
- **Percent Spent:** 20.51%
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers 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	\$2,536,096
PY Actuals as of 12/31/2004	\$520,179

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$1,699,330	\$1,617,247	\$1,928,367	\$1,871,785		\$7,116,729
Other	\$170,980					\$170,980
Total Budget Request	\$1,870,310	\$1,617,247	\$1,928,367	\$1,871,785		\$7,287,709
Revenues:						
Source of Funds:	Infrastructure Reserve					



COLLEGE TERRACE LIBRARY IMPROVEMENTS (PE-05010)

Description: This project provides for seismic retrofit, electrical and mechanical building systems upgrades, painting, flooring and re-roofing of the College Terrace Library.

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 is maintained as well as addressing ADA deficiencies.

Supplemental Information: Other represents IMP Staff Support.

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2008
- **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.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$250,000	\$1,000,000				\$1,250,000
Construction Costs						
Other	\$33,280					\$33,280
Total Budget Request	\$283,280	\$1,000,000				\$1,283,280
Revenues:						
Source of Funds:	Infrastructure Reserve					
Council Policy Direction:	This project involves a significant change in service levels requiring additional staffing or other resources.					

NEW



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, is 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:

- **New**
- **Project Status:** Design
- **Timeline:** FY 2005-2007
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers Policies C-24 and C-32.

IMPACT ANALYSIS:

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

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$45,000					\$45,000
Construction Costs		\$300,000				\$300,000
Other	\$5,070					\$5,070
Total Budget Request	\$50,070	\$300,000				\$350,070
Revenues:						
Source of Funds:	Infrastructure Reserve					



CUBBERLEY MECHANICAL AND ELECTRICAL UPGRADES (PF-04010)

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

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

CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2005-2010
- **Percent Spent:** 52.84%
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers Policy C-24 of the Comp Plan
- **Board/Commission Review:** ARB

IMPACT ANALYSIS:

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

PRIOR YEARS

PY Budget	\$454,120
PY Actuals as of 12/31/2004	\$239,949

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs			\$100,000			\$100,000
Construction Costs	\$985,000			\$500,000	\$500,000	\$1,985,000
Other	\$50,700					\$50,700
Total Budget Request	\$1,035,700		\$100,000	\$500,000	\$500,000	\$2,135,700
Revenues:						
Source of Funds:	Infrastructure Reserve					



CUBBERLEY RESTROOM UPGRADES (PF-06004)

Description: This project will retrofit six Cubberley Center Bathrooms

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.

CIP FACTS:

- **New**
- **Project Status:** Other
- **Timeline:** FY 2005-2006
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers Policy C-24.

IMPACT ANALYSIS:

- **Operating:** Will decrease maintenance cost.

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$240,000				\$240,000
Other						
Total Budget Request		\$240,000				\$240,000
Revenues:						
Source of Funds:	Infrastructure Reserve					

NEW



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 the cab and exterior call buttons per ADA requirements 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.

CIP FACTS:

- **New**
- **Project Status:** Construction
- **Timeline:** FY 2007-2007
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policies C-24 and C-27 of Comprehensive Plan

IMPACT ANALYSIS:

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$200,000				\$200,000
Other						
Total Budget Request		\$200,000				\$200,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



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, 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 on-going 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:

- **New**
- **Project Status:** Construction
- **Timeline:** FY 2009-2010
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers Policy C-24 of the Comp.Plan

IMPACT ANALYSIS:

- **Environmental:** This project is categorically exempt under CEQA Sec. 15301.

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs				\$75,000		\$75,000
Construction Costs					\$250,000	\$250,000
Other						
Total Budget Request				\$75,000	\$250,000	\$325,000
Revenues:						
Source of Funds:	Infrastructure Reserve					
Council Policy Direction:	This project involves a significant change in service levels requiring additional staffing or other resources.					



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 this work.

CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2006-2010
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
Other	\$15,210					\$15,210
Total Budget Request	\$65,210	\$50,000	\$50,000	\$50,000		\$215,210
Revenues:						
Source of Funds:	Infrastructure Reserve					



FIRE STATION IMPROVEMENTS (PF-01004)

Description: Improvements to Station 5 in FY 2005-06 include electrical upgrades, toilet renovations, interior paint, new flooring, ceilings, apparatus door-operators and seismic retrofitting. Station 8 improvements include seismic upgrades and interior finishes.

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 necessary to meet the needs of the Fire Department.

In FY 2002-03, a seismic study was completed for Fire Stations 1-5 and 8. The study reported that stations 1, 2, 5 and 8 will require seismic retrofitting.

Consultant Services Scope: See Supplemental Information.

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

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2006-2006
- **Percent Spent:** 21.01%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers Policy C-24 & Program C-19.
- **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	\$1,871,070
PY Actuals as of 12/31/2004	\$393,110

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$416,000					\$416,000
Other	\$57,183					\$57,183
Total Budget Request	\$473,183					\$473,183
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.					



FOOTHILLS PARK INTERPRETIVE CENTER IMPROVEMENTS (PF-05003)

Description: This project provides replacement of the wood shake roof, repair or replacement of damaged siding and 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.

Supplemental Information: Other represents IMP staff support.

PRIOR YEARS

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$110,000					\$110,000
Construction Costs		\$210,000				\$210,000
Other	\$10,140					\$10,140
Total Budget Request	\$120,140	\$210,000				\$330,140
Revenues:						
Source of Funds:	Infrastructure Reserve					

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2006-2007
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers 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.



FOOTHILLS PARK MAINTENANCE BUILDING 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.

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.

CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2006-2008
- **Percent Spent:** 0.00%
- **Managing Department:** Community Services
- **Comprehensive Plan:** Furthers 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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs		\$42,500				\$42,500
Construction Costs		\$207,500				\$207,500
Other						
Total Budget Request		\$250,000				\$250,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



GENERAL BUILDINGS STUDY (PF-04001)

Description: This project provides for the continuing update of facility conditions data contained in the Infrastructure Management Plan Building Module by performing an in-depth survey of the City's buildings. Review of all facility project documentation for the time period since the previous survey will be included in the facility update. Project costs will also be updated to adjust for inflation.

Justification: The Palo Alto Infrastructure Management Study conducted by Adamson Associates in 1996 recommended that the study be updated every three years for it to remain a meaningful and useful financial management tool. Under this methodology, all buildings would be re-evaluated within a ten year cycle. Staff has completed minor updates to the plan, but it should receive a full update.

Consultant Services Scope: See Supplemental Information.

Supplemental Information: Consultant shall provide all services necessary to update the Infrastructure Management Plan. They shall evaluate existing facilities, review all available documentation, analyze the condition of all major building items, determine replacement cycles, and provide cost estimates. Information shall be provided in a comprehensive report.

CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2006-2006
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers Policy C-24 & Program C-19 Comp. Plan

IMPACT ANALYSIS:

PRIOR YEARS

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$175,000					\$175,000
Construction Costs						
Other	\$10,140					\$10,140
Total Budget Request	\$185,140					\$185,140
Revenues:						
Source of Funds:	Infrastructure Reserve					



MAIN LIBRARY IMPROVEMENTS (PF-07010)

Description: This project allows for the replacement of mechanical and electrical systems, exterior painting, and interior finishes 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
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers Policy C-24 and 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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs			\$164,000			\$164,000
Construction Costs				\$909,000		\$909,000
Other						
Total Budget Request			\$164,000	\$909,000		\$1,073,000
Revenues:						
Source of Funds:	Infrastructure Reserve					
Council Policy Direction:	This project involves a significant change in service levels requiring additional staffing or other resources.					



MITCHELL PARK LIBRARY & COMMUNITY CENTER (PE-04012)

Description: This project allows for the needed infrastructure upgrades to the Mitchell Park Library and Community Center. It provides for seismic retrofit, flooring, painting, electrical and mechanical system upgrades for both the Mitchell Park Library and the Community Center. Air-conditioning will also be installed at both facilities.

Justification: The Mitchell Park Library is currently the most heavily used of all City libraries. As identified in the 1996 IMP (Adamson Report), the library's electrical and mechanical systems are antiquated and do not provide adequate ventilation and lighting for the users. In addition, the building needs renovations to meet current ADA requirements and to ensure that the structural integrity meets seismic requirement standards along with interior upgrades of the flooring and paint. See Supplemental Info

Supplemental Information: Mitchell Park Community Center, has the same deficiencies as the library. The building was built in 1970 and features three meeting rooms, a main hall, patio, kitchen, ceramics studio, staff offices, public toilets, and a game room providing space for both City sponsored and leased activities.

In order to address the level of upgrades needed in these facilities, Council approved the design and construction of a new two-story library and community center at Mitchell Park and for the project to be included in the November 2002 bond measure.

Due to the failure of this bond measure, it is imperative that these facilities receive major renovations to provide safe, compliant, and comfortable facilities to the public.

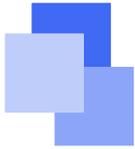
Other represents IMP Staff Support.

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2005-2008
- **Overall Project Completion:** 10%
- **Percent Spent:** 5.19%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policies C-19 and C-24

IMPACT ANALYSIS:

- **Environmental:** Categorically exempt from CEQA under Section 15301.
- **Design Elements:** ARB review required for new equipment placed on exterior.
- **Operating:** Reduces cost of structural and systems maintenance.



MITCHELL PARK LIBRARY & COMMUNITY CENTER (PE-04012)

continued

PRIOR YEARS

PY Budget	\$397,280
PY Actuals as of 12/31/2004	\$20,618

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$1,160,000					\$1,160,000
Other	\$48,750					\$48,750
Total Budget Request	\$1,208,750					\$1,208,750
Revenues:						
Source of Funds:	Infrastructure Reserve					
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 identified funding source.					



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.

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 systems no longer support the current operation at this site. The use of many spaces has changed over the years without adequate upgrades to the building systems.

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 provide conceptual design, final design, construction documents and construction administration services.

CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2007-2008
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers Policy C-24 & Program C-19.
- **Board/Commission Review:** ARB

IMPACT ANALYSIS:

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

PRIOR YEARS

PY Budget	\$120,800
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$366,000	\$575,000			\$941,000
Other						
Total Budget Request		\$366,000	\$575,000			\$941,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



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.

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 2006-2010
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers Policy C-24 & Program C-19.

IMPACT ANALYSIS:

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

PRIOR YEARS

PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000	\$100,000	\$100,000	\$100,000		\$400,000
Other	\$15,210					\$15,210
Total Budget Request	\$115,210	\$100,000	\$100,000	\$100,000		\$415,210
Revenues:						
Source of Funds:	Infrastructure Reserve					



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

Description: The San Antonio Road overpass at 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 on 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: Other represents IMP staff Support.

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2007
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy T-24

IMPACT ANALYSIS:

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

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs		\$6,000				\$6,000
Construction Costs		\$39,000				\$39,000
Other						
Total Budget Request		\$45,000				\$45,000
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.					



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: Reimbursement from others represents reimbursement from California Avenue Assessment District Parking Permit Fees.

CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2010-2010
- **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:** The exterior modifications may require ARB review.

PRIOR YEARS

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs					\$67,000	\$67,000
Other						
Total Budget Request					\$67,000	\$67,000
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. It will also provide ADA improvements to this facility. Radiant heat systems will be replaced with above floor systems

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, provide conceptual and final design, construction documents, and construction administration services.

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2007-2008
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers Policies C-24 & C-27 of the Comp. Plan.

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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs		\$90,000				\$90,000
Construction Costs			\$600,000			\$600,000
Other						
Total Budget Request		\$90,000	\$600,000			\$690,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



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 to implement 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.

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:** This project furthers Program T-22.
- IMPACT ANALYSIS:**
- **Environmental:** An environmental assessment may be required.
 - **Operating:** Minor ongoing maintenance will be required.

PRIOR YEARS

PY Budget	\$100,000
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$50,000		\$50,000	\$50,000	\$50,000	\$200,000
Other						
Total Budget Request	\$50,000		\$50,000	\$50,000	\$50,000	\$200,000
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.					



SIDEWALK REPAIRS (PO-89003)

Description: This project for the sidewalk repair program is to alleviate the existing backlog. Areas targeted for replacement include the districts with the highest quantity of sidewalk damage. As identified in the Infrastructure Management Plan, FY 2005-06 sidewalk replacement will occur in District 11, which is bounded by West Bayshore Road, Oregon Expressway, Middlefield Road and the north side of Matadero 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 inhouse crews will perform "hot spot" sidewalk replacement throughout all areas of the City, as well as curb and gutter repair.

Staff will continue to maintain the \$2.1 million commitment to sidewalk repairs. Backlog of sidewalk replacement is estimated to extend two years from 2013 to 2015.

CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2005-2006
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers Programs C-21 and C-27 of Comp plan.

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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$1,303,848	\$1,222,198	\$1,870,000	\$1,870,000	\$1,870,000	\$8,136,046
Other	\$831,252	\$834,172				\$1,665,424
Total Budget Request	\$2,135,100	\$2,056,370	\$1,870,000	\$1,870,000	\$1,870,000	\$9,801,470
Revenues:						
Source of Funds:	Infrastructure Reserve					
Council Policy Direction:	This project involves a significant change in service levels requiring additional staffing or other resources.					



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 whose condition requires 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: Other represents IMP staff support.

CIP FACTS:

- **Continuing**
- **Timeline:** FY 2006-2010
- **Managing Department:** Public Works
- **Comprehensive Plan:** Program C-20
- **Board/Commission Review:** None

IMPACT ANALYSIS:

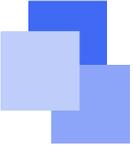
- **Environmental:** Categorically exempt from CEQA under Section 15301.
- **Design Elements:** Reasonable efforts will be made to match existing pavement.
- **Operating:** Reduces street maintenance costs.

PRIOR YEARS

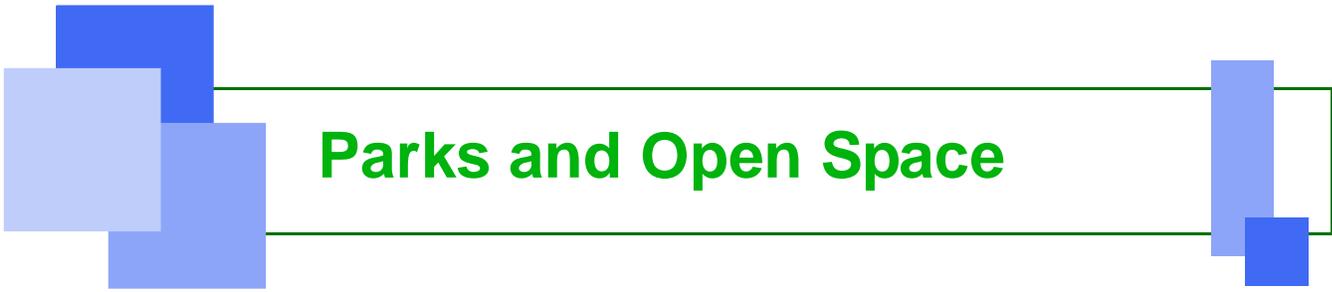
PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Construction Costs	\$1,895,000	\$1,895,000	\$2,045,000	\$2,045,000	\$1,895,000	\$9,775,000
Other	\$201,965					\$201,965
Total Budget Request	\$2,146,965	\$1,945,000	\$2,095,000	\$2,095,000	\$1,945,000	\$10,226,965
Revenues:	\$1,070,000	\$1,070,000	\$1,070,000	\$1,070,000	\$1,070,000	\$5,350,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Street Improvement Fund(\$5,350,000)					



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Parks and Open Space



**ALMA STREET LANDSCAPE IMPROVEMENTS
(FORMERLY IDENTIFIED IN PG-00009) (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 will be implemented in two phases: Phase I - Ely to San Antonio in FY 2005-06 and Phase II - Charleston to Ferne in FY 2006-07.

Justification: Alma's Street's public sidewalk strip landscaping needs improvement. The irrigation systems are broken and are 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 reduces siltation and runoff and improves the streetscape appearance.

Supplemental Information: Other represents IMP staff support.

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2008
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-25,N-17,N-19,T-41,T-42 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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$134,000	\$151,000				\$285,000
Other	\$24,375					\$24,375
Total Budget Request	\$158,375	\$151,000				\$309,375
Revenues:						
Source of Funds:	Infrastructure Reserve					



BENCHES, SIGNAGE, FENCING, WALKWAYS, AND 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: 2006-07- Replacement of signage - Art Center, Main Library, Mitchell Park Community Center, Mitchell Park Library, Downtown Library. Bench replacement at various facilities.
 2007-08 To Be Determined
 2008-09 To Be Determined
 2009-10 To Be Determined

CIP FACTS:

- **New**
 - **Project Status:** Other
 - **Timeline:** FY 2006-2010
 - **Overall Project Completion:** 0%
 - **Managing Department:** Community Services
 - **Comprehensive Plan:** Furthers policy C24
- IMPACT ANALYSIS:**
- **Environmental:** Exempt under section 15301 of CEQA
 - **Design Elements:** NA
 - **Operating:** Reduces future extensive maintenance costs.
 - **Telecommunications:** NA

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$50,000	\$100,000	\$100,000	\$200,000	\$450,000
Other						
Total Budget Request		\$50,000	\$100,000	\$100,000	\$200,000	\$450,000
Revenues:						
Source of Funds:	Infrastructure Reserve					

NEW



BOULWARE PARK IMPROVEMENTS (FORMERLY IDENTIFIED IN PG-00010) (PE-07006)

Description: This project will upgrade and renovate playground and picnic areas, and replace pathways, irrigation, fencing, picnic benches, barbeques, benches, arbors and signage at Boulware Park.

Justification: This project will enhance the safety, quality and condition of Boulware Park, as well as, address accessibility needs of the disabled. The picnic and playground areas are in need of renovation and are not accessible to persons with disabilities.

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2007
- **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
- **Operating:** Reduces cost of structural and systems maintenance.

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs		\$60,000				\$60,000
Construction Costs		\$211,000				\$211,000
Other						
Total Budget Request		\$271,000				\$271,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



BOWDEN PARK IMPROVEMENTS (FORMERLY IDENTIFIED IN PG-00010) (PE-06004)

Description: This project will upgrade and renovate park areas, replacing pathways, plaza area, fencing and benches at Bowden Park.

Justification: This project will enhance the safety, quality and condition of Bowden Park. The pathways are in need of repair due to their age and condition. The path repairs also will address accessibility needs. Signs, fencing and benches have reached the end of their useful lives and are in need replacement.

Supplemental Information: Other represents IMP staff support.

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2007
- **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.
- **Operating:** Reduces cost of structural and systems maintenance.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$20,000					\$20,000
Construction Costs	\$110,000					\$110,000
Other	\$14,625					\$14,625
Total Budget Request	\$144,625					\$144,625
Revenues:						
Source of Funds:	Infrastructure Reserve					



CALIFORNIA AVENUE FOUNTAIN REPAIR (PE-07005)

Description: This project repairs the existing, damaged fountain located on California Avenue at the CalTrain hub. The repairs include replacing the fountain and pump, and a possible water service upgrade.

Justification: The existing fountain is damaged and is currently supported by three metal supports. In addition, the mechanical infrastructure has exceeded its useful life.

Supplemental Information: Project dependent upon 100% outside funding.

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2007
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Further Policy C-24 and 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.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$32,000				\$32,000
Other						
Total Budget Request		\$32,000				\$32,000
Revenues:		\$32,000				\$32,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Others(\$32,000)					
Council Policy Direction:	This proejct is not in planned General Fund IMP and/or does not have an identified funding source.					



CITY PARKS IMPROVEMENTS (FORMERLY PG-00010) (PE-06010)

Description: This project will upgrade and/or renovate playground areas, 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 and repair and improvements in parks, as well as sign and pathway repairs at community centers, libraries, and fire stations.

Justification: This project will enhance the safety, quality, and condition of City parks and facilities as well as address 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 are also in need of repair.

Supplemental Information: This project will be used in budget planning. Once individual projects are developed and funding identified the 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 - El Camino, Peers, and Wallis Park renovations; miscellaneous benches, fences, trash receptacles, etc.

FY 2008-09 - Civic Center, Hoover Park, Community Centers, Fire Stations

FY 2009-10 - Greer Park, Community Centers, Fire Stations

CIP FACTS:

- **New**
- **Timeline:** FY 2007-2010
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-24,C-26,C-32 and Program C-19.
- **Board/Commission Review:** ARB,PTC, Art Commission

IMPACT ANALYSIS:

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs			\$1,085,000	\$1,346,000	\$1,160,000	\$3,591,000
Other						
Total Budget Request			\$1,085,000	\$1,346,000	\$1,160,000	\$3,591,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



COGSWELL PLAZA IMPROVEMENTS (FORMERLY IDENTIFIED IN PG-00010) (PE-07004)

Description: This project will provide needed upgrades and renovations to pathways, benches, irrigation and landscaping at Cogswell Plaza.

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:

- **New**
- **Timeline:** FY 2006-2007
- **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.
- **Operating:** Reduces cost of structural and systems maintenance.

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$130,000				\$130,000
Other						
Total Budget Request		\$130,000				\$130,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



CUBBERLEY LANDSCAPING (PE-06012)

Description: This project will include removal of existing asphalt and installation of landscaping including trees, shrubs and groundcover amenities between building A&B and C&D at the Cubberley Community Center.

Justification: The corridor areas at Cubberley are unsafe due to surface buckling and are in need of repairs. This work is needed to enhance and beautify the center's exterior landscaping. The addition of landscaping benefits user groups at the facility, may allow for increased and additional rental functions, and elimination of the extensive asphalt areas will reduce storm water run off.

CIP FACTS:

- **New**
- **Timeline:** FY 2005-2006
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers policies C-24 and C-25.

IMPACT ANALYSIS:

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$50,000					\$50,000
Other						
Total Budget Request	\$50,000					\$50,000
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.					



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 costs, 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: The field is on Palo Alto Unified School District property and will require negotiations with the District to enable this project. This project requires 100% public/private partnership and/or grant funding to be implemented.

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2007
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers 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

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$750,000				\$750,000
Other						
Total Budget Request		\$750,000				\$750,000
Revenues:		\$750,000				\$750,000
Source of Funds:	Infrastructure Reserve 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 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. This will better control and organize parking.

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.

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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs		\$40,000				\$40,000
Construction Costs		\$227,000				\$227,000
Other						
Total Budget Request		\$267,000				\$267,000
Revenues:						
Source of Funds:	Infrastructure Reserve					

NEW



HOOVER PARK IMPROVEMENTS (FORMERLY IDENTIFIED IN PG-00010) (PE-07002)

Description: This project will implement pathway improvements and address accessibility issues at Hoover Park. Overall park renovations identified by 1996 Infrastructure Management Plan include new irrigation, park furniture, landscaping, and drainage and turf 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 and incorporated into the City's centralized irrigation control system. This will save 15% - 25% in water usage.

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2007
- **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.
- **Operating:** Reduces cost of structural and systems maintenance.

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$745,000				\$745,000
Other						
Total Budget Request		\$745,000				\$745,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



HOPKINS PARK IMPROVEMENT (FORMERLY IDENTIFIED IN PG-00010) (PE-07001)

Description: This project will upgrade and renovate two mini parks located on Palo Alto Avenue along San Francisquito Creek, and the gateway area at the intersection of Palo Alto Avenue and Middlefield Road. These mini parks have outdated galvanized pipe irrigation systems and the park amenities are in need of improvement. In addition, the mini parks do not provide accessibility for the disabled.

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

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2007
- **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.
- **Operating:** Reduces cost of structural and systems maintenance.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$67,000				\$67,000
Other						
Total Budget Request		\$67,000				\$67,000
Revenues:						
Source of Funds:	Infrastructure Reserve					

NEW



JOHNSON PARK IMPROVEMENTS (FORMERLY IDENTIFIED IN PG-00010) (PE-06008)

Description: This project will provide needed upgrades and renovations to sections of pathways at Johnson Park. The project involves root grinding and repairing.

Justification: The current asphalt pathways are old and are in need of repair. They are broken up in many places due to uplifting from tree roots and overall deterioration. Roughly one half of the pathways are in need of replacement or sealing repairs.

Supplemental Information: Other represents IMP staff support.

CIP FACTS:

- **New**
- **Timeline:** FY 2005-2006
- **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.
- **Telecommunications:** None

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$64,000					\$64,000
Other	\$14,625					\$14,625
Total Budget Request	\$78,625					\$78,625
Revenues:						
Source of Funds:	Infrastructure Reserve					



MITCHELL PARK FACILITIES IMPROVEMENTS (FORMERLY PG-98003) (PE-98003)

Description: This project provides design, development, and implementation of a comprehensive improvement plan for Mitchell Park. Phase I addressed the main restroom, pathway lighting, signage, and play areas and was completed in 2002. Phase II addressed pathways, picnic areas, arbors, central plaza, various recreation areas and public art and was completed in 2005. Phase III, scheduled for FY 2005-06, will include installation of privacy screens in picnic areas and installation of a new restroom.

Justification: The infrastructure at Mitchell Park requires a variety of improvements as identified by the Infrastructure Management Plan and Mitchell Park Improvement Plan. Improvements include providing accessibility for persons with disabilities and upgrading equipment and infrastructure that are outdated and/or deteriorating.

Supplemental Information: Other represents IMP staff support.

PRIOR YEARS

PY Budget	\$3,253,442
PY Actuals as of 12/31/2004	\$2,616,515

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$356,000					\$356,000
Other	\$73,125					\$73,125
Total Budget Request	\$429,125					\$429,125
Revenues:						
Source of Funds:	Infrastructure Reserve					

CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2005-2006
- **Overall Project Completion:** 80%
- **Percent Spent:** 80.42%
- **Managing Department:** Public Works
- **Comprehensive Plan:** C-19, C-26, C-27, L-17, L-44, L-69, L-70, N-17
- **Art in Public Places:** Yes

IMPACT ANALYSIS:

- **Environmental:** Categorically exempt from CEQA under Section 15301
- **Design Elements:** This project is designated for the addition of Public Art.
- **Operating:** Operating costs will increase with installation of restrooms



OPEN SPACE LAKES AND PONDS MAINTENANCE (OS-00002)

Description: This project rehabilitates lakes and ponds in open space nature preserves to protect wildlife habitat, recreational safety and 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:** 40%
 - **Percent Spent:** 94.17%
 - **Managing Department:** Community Services
 - **Comprehensive Plan:** Furthers Policy N-1 of the Comprehensive Plan.
- IMPACT ANALYSIS:**
- **Environmental:** Categorically exempt from CEQA under Section 15301.
 - **Design Elements:** None.
 - **Operating:** None.
 - **Telecommunications:** None.

PRIOR YEARS

PY Budget	\$153,257
PY Actuals as of 12/31/2004	\$144,325

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$40,000		\$40,000		\$40,000	\$120,000
Other						
Total Budget Request	\$40,000		\$40,000		\$40,000	\$120,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



OPEN SPACE PARKING IMPROVEMENTS (OS-00003)

Description: This project repairs and resurfaces parking lots, entranceways and roads in Byxbee Park and Baylands Nature Preserve. Phase III of the project will consist of the repair and width adjustment of Harbor Road in the harbor area of Baylands Nature Preserve. New speed bumps will be installed to reduce speeding and improve safety.

Justification: This project was identified by the 1996 Infrastructure Management Plan as a high priority. Harbor Road was built to provide access to numerous yacht buildings that were removed in 1986. Traffic along Harbor Road needs calming near the duck pond and nature center. Inconsistent road width precludes on-street bicycle lanes where the road is narrow and encourages on-street parking where the road is wide.

PRIOR YEARS

PY Budget	\$1,089,163
PY Actuals as of 12/31/2004	\$1,089,163

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000					\$100,000
Other	\$16,286					\$16,286
Total Budget Request	\$116,286					\$116,286
Revenues:						
Source of Funds:	Infrastructure Reserve					

CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2000-2005
- **Overall Project Completion:** 80%
- **Percent Spent:** 100.00%
- **Managing Department:** Community Services
- **Comprehensive Plan:** Furthers Policy N-1 and Program C-19.

IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Design review is required for all projects in the Baylands.



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 are able to 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, footbridges and fences, which are at the end of their expected life, are systematically being replaced.

CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2000-2010
- **Overall Project Completion:** 50%
- **Percent Spent:** 87.68%
- **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	\$1,009,000
PY Actuals as of 12/31/2004	\$884,717

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$86,000	\$142,000	\$116,000	\$116,000	\$116,000	\$576,000
Other	\$14,066					\$14,066
Total Budget Request	\$100,066	\$142,000	\$116,000	\$116,000	\$116,000	\$590,066
Revenues:						
Source of Funds:	Infrastructure Reserve					

NEW



RAMOS PARK IMPROVEMENTS (FORMERLY IDENTIFIED IN PG-00010) (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.

Justification: This project will enhance the safety, quality and condition of Boulware 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:

- **New**
- **Timeline:** FY 2006-2007
- **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.
- **Operating:** Reduces cost of structural and systems maintenance.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$556,000				\$556,000
Other						
Total Budget Request		\$556,000				\$556,000
Revenues:						
Source of Funds:	Infrastructure Reserve					

NEW



RINCONADA PARK IMPROVEMENTS (FORMERLY IDENTIFIED IN PG-00010) (PE-08001)

Description: This project will provide needed upgrades and renovations to pathways, address drainage issues, and upgrade landscaping, fencing and lighting at Rinconada Park.

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:

- **New**
- **Timeline:** FY 2007-2008
- **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

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs			\$535,000			\$535,000
Other						
Total Budget Request			\$535,000			\$535,000
Revenues:						
Source of Funds:	Infrastructure Reserve					



SAN ANTONIO MEDIANS (FORMERLY IDENTIFIED IN PG-00009) (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: The medians have fallen into disrepair and are creating road damage as a result of Stone Pine tree root growth, weather, and age. Medians are primarily designed to regulate traffic, provide attractive landscape, buffer surrounding residents and provide welcoming gateways along San Antonio Road. Additionally, the provision of renovated landscaping and irrigation will reduce siltation and water runoff to the street.

Supplemental Information: 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 is anticipated for this project. The project's preliminary, final design and construction will be completed in phases and continue several years in coordination with the annual street maintenance project.

Other represents IMP Staff Support.

CIP FACTS:

- **Continuing**
- **Timeline:** FY 2005-2007
- **Percent Spent:** 100.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policy C-25,N-17,N-19,T-41,T-42 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	\$651,689
PY Actuals as of 12/31/2004	\$651,689

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$164,000	\$355,000				\$519,000
Other	\$48,750					\$48,750
Total Budget Request	\$212,750	\$355,000				\$567,750
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 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: FY 2005-06 Duveneck & Juanita
 FY 2006-07 El Carmelo, Palo Verde
 FY 2007-08 Nixon
 FY 2008-09 Ohlone & Addison
 Other cost represents IMP Staff Support.
 This projects is 50% reimbursed by PAUSD.

CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2005-2009
- **Overall Project Completion:** 0%
- **Percent Spent:** 98.47%
- **Managing Department:** Community Services
- **Comprehensive Plan:** This project furthers 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:** There will be reduced water cost and maintenance
- **Telecommunications:** Telephone lines for computer connection

PRIOR YEARS

PY Budget	\$816,000
PY Actuals as of 12/31/2004	\$803,527

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$5,000	\$6,000	\$3,000	\$3,000		\$17,000
Construction Costs	\$120,000	\$119,000	\$122,000	\$122,000		\$483,000
Other	\$23,500					\$23,500
Total Budget Request	\$148,500	\$125,000	\$125,000	\$125,000		\$523,500
Revenues:	\$62,500	\$62,500	\$62,500	\$62,500		\$250,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Others(\$250,000)					



STANFORD /PALO ALTO COMMUNITY PLAYING FIELDS (PG-04010)

Description: Stanford is designing and constructing the Stanford/Palo Alto Community Playing Fields project at the Mayfield site. This will include one FIFA maximum size soccer field; one 90% size FIFA soccer field; a warm up area; snack shack/restroom facility; field lighting, parking and associated landscaping.

Justification: This project is an outcome of the Athletic Fields Committee report that was transmitted to the Council in March 2003. The report, which has been approved by the Parks and Recreation Commission and conceptually by City Council, provides solutions to the inadequate number of athletic fields in Palo Alto.

Supplemental Information: IMP reimbursed \$588,000 per capita grant from the State of California and \$212,000 from park impact fees totaling \$800,000.

CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2005-2006
- **Overall Project Completion:** 0%
- **Percent Spent:** 100.00%
- **Managing Department:** Community Services
- **Comprehensive Plan:** This project furthers Policy C-19 & C28

IMPACT ANALYSIS:

- **Environmental:** An environmental review is in process.
- **Design Elements:** This project will be co-designed by Stanford and City Staff
- **Operating:** Parks Maintenance: \$43K annual; Public Works \$26K annual
- **Telecommunications:** Pay telephone and Bluebox costs TBD

PRIOR YEARS

PY Budget	\$155,000
PY Actuals as of 12/31/2004	\$155,000

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$800,000					\$800,000
Other						
Total Budget Request	\$800,000					\$800,000
Revenues:	\$800,000					\$800,000
Source of Funds:	Infrastructure Reserve with the following reimbursements: Development Impact Fees(\$212,000); State Grant(\$588,000)					
Council Policy Direction:	1. This project involves a significant change in service levels requiring additional staffing and other resources. 2. This project is not in planned General Fund IMP and/or does not have an identified funding source.					



STREET MEDIAN IMPROVEMENTS (FORMERLY IDENTIFIED IN PG-00009) (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: This project will be used in 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.

FY 2007-08 - 7 Cul de Sacs; Island Drive, Evergreen Park Barriers
 FY 2008-09 - Oregon Expressway Phase I
 FY 2009-10 - Page Mill Road

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2010
- **Percent Spent:** 0.00%
- **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)

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs			\$156,000	\$156,000	\$156,000	\$468,000
Other						
Total Budget Request			\$156,000	\$156,000	\$156,000	\$468,000
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. PAUSD will reimburse the City \$62,500 over five years.

Supplemental Information: FY 2005-06 Palo Alto High tennis courts/ Cubberley tennis courts/Boulware, Briones, Greer, Peers, Terman basketball courts

FY 2006-07 Gunn High School tennis courts/Hoover, Weisshaar, Peers Parks tennis courts

FY 2007-08 JLS tennis courts/Mitchell Park tennis courts

FY 2008-09 Jordan Middle School tennis courts/Rinconada Park tennis courts

FY 2009-10 Palo Alto High School tennis courts/ Terman park tennis courts, Hoover Park tennis courts/Boulware, Briones, Greer, Peers, Terman basketball courts

Other cost represents IMP Staff Support.

Other revenue represents 50% reimbursement from PAUSD.

CIP FACTS:

- **New**
- **Project Status:** Other
- **Timeline:** FY 2005-2010
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Community Services
- **Comprehensive Plan:** Furthers Policies 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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$55,000	\$55,000	\$55,000	\$55,000	\$55,000	\$275,000
Other	\$27,000					\$27,000
Total Budget Request	\$82,000	\$55,000	\$55,000	\$55,000	\$55,000	\$302,000
Revenues:	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500	\$62,500
Source of Funds:	Infrastructure Reserve with the following reimbursements: Others(\$62,500)					



**UNIVERSITY AVE. GATEWAY LANDSCAPING IMP.
(FORMERLY IDENTIFIED IN PG-00009) (PE-06005)**

Description: This project provides for repair and installation of new irrigation systems and landscaping at the University Avenue undercrossing at Alma Street. This project had been previously deferred due to the proposed Intermodel Transportation Center project.

Justification: The University Avenue undercrossing landscaped areas have declined in quality as a result of water conservation, weather and climatic conditions, and aged irrigation systems. The landscaping and irrigation system has exceeded its useful life. The gateway medians at University Avenue were primarily designed to regulate traffic, but should provide an attractive entrance to the downtown area as well.

Supplemental Information: Other represents IMP staff support.

CIP FACTS:

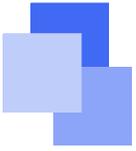
- **New**
- **Timeline:** FY 2005-2006
- **Percent Spent:** 0.00%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Furthers Program T-15, Policy T-5 and C-25.
- **Board/Commission Review:** ARB, Art Commission

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)

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$103,000					\$103,000
Other	\$21,938					\$21,938
Total Budget Request	\$124,938					\$124,938
Revenues:						
Source of Funds:	Infrastructure Reserve					



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Non-Infrastructure Management Plan



**ADOBE CREEK BICYCLE BRIDGE REPLACEMENT
(PL-06001)**

Description: This project will fund Palo Alto's local match share for the replacement cost of the Terman bicycle bridge over Adobe Creek between Palo Alto and Los Altos. The bridge is owned jointly by Los Altos and Palo Alto. The City of Los Altos is the lead agency for the project.

Justification: The existing bridge is approximately 30 years old. The bridge deck and deck supports are in need of immediate replacement. It will be more cost-effective to replace the wooden bridge with a new steel and concrete bridge. The replacement of this bicycle bridge is included in the VTA Bicycle Expenditure Plan (BEP). The total cost of the project is estimated to be \$485,000. BEP will fund 80% of the cost of the project. Palo Alto and Los Altos will each contribute 10% as their local match.

CIP FACTS:

- **New**
- **Project Status:** Design
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Planning and Community Environment
- **Comprehensive Plan:** This project furthers Policy T-20.

IMPACT ANALYSIS:

- **Environmental:** This project may require further environmental review.
- **Design Elements:** This project will require ARB review.

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$50,000					\$50,000
Construction Costs						
Other						
Total Budget Request	\$50,000					\$50,000
Revenues:	\$50,000					\$50,000
Source of Funds:	Capital Project Fund with the following reimbursements: Local Agency Grant(\$50,000)					
Council Policy Direction:	This project is not in planned General Fund IMP and/or does not have an identified funding source.					



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.

CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2005-2008
- **Overall Project Completion:** 20%
- **Percent Spent:** 0.00%
- **Managing Department:** Fire
- **Comprehensive Plan:** None

IMPACT ANALYSIS:

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

PRIOR YEARS

PY Budget	\$120,000
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$120,000	\$120,000	\$120,000			\$360,000
Total Budget Request	\$120,000	\$120,000	\$120,000			\$360,000
Revenues:	\$30,000	\$30,000	\$30,000			\$90,000
Source of Funds:	General Fund with the following reimbursements: Stanford(\$90,000)					



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**
- **Overall Project Completion:** 0%
- **Managing Department:** Community Services

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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$50,000	\$50,000	\$60,000	\$60,000	\$60,000	\$280,000
Total Budget Request	\$50,000	\$50,000	\$60,000	\$60,000	\$60,000	\$280,000
Revenues:						
Source of Funds:	General Fund					



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.

Supplemental Information: Reimbursement from others represents reimbursement from University Avenue Parking Permit Fund.

CIP FACTS:

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$125,000					\$125,000
Construction Costs		\$500,000				\$500,000
Other						
Total Budget Request	\$125,000	\$500,000				\$625,000
Revenues:	\$125,000	\$500,000				\$625,000
Source of Funds:	Capital Project Fund with the following reimbursements: University Avenue Parking Permits Fund(\$625,000)					

CIP CHARLESTON/ARASTRADERO CORRIDOR PLAN (PL-05002)

Description: This project will implement the trial of the Council-adopted Charleston Arastradero Corridor Plan, including engineering design and construction of a new right turn only lane at the Gunn High School driveway on Arastradero Road, engineering design for the trial and final version of the remainder of the Charleston-Arastradero Corridor Plan, implementation of the trial re-configuration of Charleston and Arastradero Road based on the Charleston-Arastradero Corridor Plan.

Justification: The Charleston-Arastradero Corridor Plan was adopted by City Council in January 2003 to enhance bicycle and pedestrian travel on Charleston Road and Arastradero Road, for school commuters and all others who walk or cycle the Corridor. The Plan addresses pedestrian crossing safety, bicycle travel safety, motor vehicle speeding, more even and efficient motor vehicle traffic flow, and Corridor streetscape.

Supplemental Information: The project will result in enhanced travel safety, increased use of environmentally-friendly travel alternatives, reduced motor vehicle congestion, and enhanced aesthetics on the Charleston-Arastradero Corridor. The Charleston-Arastradero Corridor Project furthers one of the Council’s Top 5 Priorities: Alternative Transportation/Traffic Calming.

CIP FACTS:

- **New**
- **Timeline:** FY 2005-2006
- **Managing Department:** Planning and Community Environment
- **Comprehensive Plan:** Furthers Program C-12 of the Comprehensive Plan
- **Board/Commission Review:** ARB

IMPACT ANALYSIS:

- **Environmental:** Mitigated Negative Declaration approved by Council January 03
- **Design Elements:** ARB review may be required
- **Operating:** Once completed, maintenance will be required by Public Works

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$100,000					\$100,000
Construction Costs						
Other						
Total Budget Request	\$100,000					\$100,000
Revenues:	\$100,000					\$100,000
Source of Funds:	Capital Project Fund with the following reimbursements: Others(\$100,000)					
Council Policy Direction:	This project is not in planned General Fund IMP and/or does not have an identified funding source.					



INSTALLATION OF TICKET MACHINES (PL-06005)

Description: Install a parking ticket machine at two of the six off-street public parking garages within University Avenue Downtown.

Justification: Currently free 2-hour parking is available on-street and free 3-hour parking is available at five of the six off-street public parking garages. All-day parking is available with a permit from City Hall, but it is difficult to promote the availability of this service, especially to visitors from outside Palo Alto. Installation of these two ticket machines will facilitate all-day parking, and is consistent with the Mayor's Retail Action Plan.

CIP FACTS:

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2005-2006
- **Overall Project Completion:** 0%
- **Percent Spent:** 0.00%
- **Managing Department:** Planning and Community Environment
- **Comprehensive Plan:** This project furthers Program T-4a.

IMPACT ANALYSIS:

- **Environmental:** None.
- **Design Elements:** Power source and a telephone line will be required.
- **Operating:** Power, phone, bank fee, and maintenance: estimated \$14,000/yr
- **Telecommunications:** Phone for credit card fee transactions.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$75,000					\$75,000
Other						
Total Budget Request	\$75,000					\$75,000
Revenues:	\$75,000					\$75,000
Source of Funds:	Capital Project Fund with the following reimbursements: University Avenue Parking Permits Fund(\$75,000)					



**OPEN SPACE DAY-USE FEE COLLECTION CENTERS
(OS-06008)**

Description: Fee collection stations will be installed at the entrance of Foothills Park and the parking lot of the Pearson-Arastradero Preserve. Each pay station will consist of directional signage that will be permanently mounted, a fee collection device and specially designated parking spaces where visitors will park while paying their fees.

Justification: This project is intended to enable staff to efficiently collect new revenue (\$60,000 annually) for the day-use of open space recreational areas. The project must be designed in such a way that the fees collected are safe and secure, and that the fee collection stations are esthetically attractive to park visitors.

Supplemental Information: This is a new project designed to generate a new source of operating revenue. Because of design overlays for the Open space areas, this project will require review of the Architectural Review Board, Planning Commission and City Council. A Park Improvement Ordinance will also be required before the project can be initiated.

CIP FACTS:

- **New**
- **Project Status:** Construction
- **Timeline:** FY 2005-2006
- **Managing Department:** Community Services
- **Comprehensive Plan:** Furthers Program C-23 of the comprehensive plan
- **Board/Commission Review:** ARB, PC

IMPACT ANALYSIS:

- **Environmental:** Project is categorically exempt under CEQA Section 15301
- **Design Elements:** Singage will blend in with other open space regulatory signs
- **Operating:** Estimated annual maintenance cost is \$5,000

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$5,000					\$5,000
Construction Costs	\$18,000					\$18,000
Other	\$2,000					\$2,000
Total Budget Request	\$25,000					\$25,000
Revenues:						
Source of Funds:	General Fund					



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 to be provided Park Impact Fees.

- FY 2005-06 - Seale Park
- FY 2006-07 - Eleanor Park
- FY 2007-08 - Cubberly Field
- FY 2008-09 - To Be Determined
- FY 2009-10 - To Be Determined

Other represents IMP staff support.

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2010
- **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:** Maintenance costs will increase for each restroom.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000	\$100,000	\$200,000	\$100,000	\$100,000	\$600,000
Other	\$21,937					\$21,937
Total Budget Request	\$121,937	\$100,000	\$200,000	\$100,000	\$100,000	\$621,937
Revenues:	\$100,000	\$100,000	\$200,000	\$100,000	\$100,000	\$600,000
Source of Funds:	Capital Project Fund with the following reimbursements: Development Impact Fees(\$600,000)					
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. 3. This project requires the diversion of staffing and/or City funds due to outside funding opportunity.					



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 improve the community's energy usage. The City actively promotes sustainability and technologies that improve the quality of life and are investments in our future. 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.

Supplemental Information: Other represents IMP staff support.

PRIOR YEARS

PY Budget	\$683,970
PY Actuals as of 12/31/2004	\$70,981

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$165,000	\$165,000				\$330,000
Construction Costs	\$499,500	\$499,500				\$999,000
Other	\$58,500					\$58,500
Total Budget Request	\$723,000	\$664,500				\$1,387,500
Revenues:	\$664,500	\$664,500				\$1,329,000
Source of Funds:	Capital Project Fund with the following reimbursements: Electric Fund(\$664,500); Federal Grant(\$664,500)					
Council Policy Direction:	1. This project is not in planned General Fund IMP and/or does not have an identified funding source. 2. This project requires the diversion of staffing and/or City funds due to outside funding opportunity.					

CIP FACTS:

- **Continuing**
 - **Project Status:** Pre-Design
 - **Timeline:** FY 2004-2007
 - **Overall Project Completion:** 80%
 - **Percent Spent:** 10.38%
 - **Managing Department:** Public Works
 - **Comprehensive Plan:** Policy N-66 and Programs N-64 and 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



SOUTH OF FOREST AVE. STREET IMPROVEMENTS (PL-04002)

Description: This project will implement traffic calming on Homer and Channing Avenues to improve safety and reduce conflicts. There may also be a possible conversion of Homer and Channing and sections of High Street from one-way to two-way traffic flow, and changes to mid-block pedestrian crossings to improve visibility and safety.

Justification: The PAMF/SOFA Coordinated Area Plan includes a number of policies to calm traffic and improve safety for pedestrians and bicyclists in the SOFA neighborhood. The plan calls for further study of converting Homer and Channing to two-way flow to make these streets more in keeping with the residential character of the area.

CIP FACTS:

- **Continuing**
 - **Timeline:** FY 2007-2008
 - **Overall Project Completion:** 0%
 - **Percent Spent:** 0.00%
 - **Managing Department:** Planning and Community Environment
 - **Comprehensive Plan:** This project furthers Policies L-67 and T-34.
- IMPACT ANALYSIS:**
- **Environmental:** An environmental review may be required.
 - **Operating:** Maintenance will be done by Public Works Operations.

PRIOR YEARS

PY Budget	\$25,000
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs			\$100,000			\$100,000
Construction Costs				\$400,000		\$400,000
Other						
Total Budget Request			\$100,000	\$400,000		\$500,000
Revenues:						
Source of Funds:	General Fund					
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

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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$106,000	\$110,000	\$115,000	\$120,000	\$125,000	\$576,000
Total Budget Request	\$106,000	\$110,000	\$115,000	\$120,000	\$125,000	\$576,000
Revenues:						
Source of Funds:	General Fund					



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%
 - **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	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Other						
Total Budget Request	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
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:	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.					



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 to collect data, it is essential to upgrade and/or replace the traffic signal system infrastructure.

CIP FACTS:

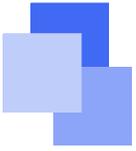
- **Continuing**
 - **Managing Department:** Planning and Community Environment
 - **Comprehensive Plan:** This project furthers Program T-38.
- IMPACT ANALYSIS:**
- **Environmental:** Categorically exempt under Section 15301 of CEQA.
 - **Design Elements:** traffic signal control cabinets are reviewed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

PRIOR YEARS

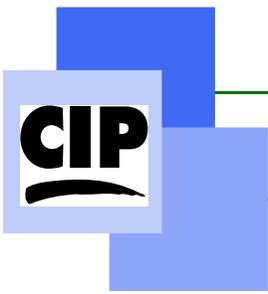
PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$135,000	\$140,000	\$145,000	\$150,000	\$570,000
Other						
Total Budget Request		\$135,000	\$140,000	\$145,000	\$150,000	\$570,000
Revenues:						
Source of Funds:	General Fund					



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CIP

Enterprise Funds



Enterprise Funds Capital Improvement Program

An Overview

The 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 2005-06 Adopted Enterprise CIP expense is \$29.8 million. Expenditures have increased by \$2.9 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.

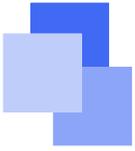
The Electric, Water, Gas, and Wastewater Collection Funds continue to have an aggressive schedule for their adopted CIP. The Accelerated Infrastructure Program started in 1990 includes projects with a major focus on maintaining and improving the reliability of the system. Work continues to replace structurally 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 Funds stand behind its commitment to provide the highest level of customer service.

City of Palo Alto Utilities (CPAU) is continually focusing its efforts on ensuring the reliability of service as one of its important missions. 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 strong dividends to the citizens of Palo Alto now and in the future.

In 2005-10, the Refuse Fund has no CIP projects.

Electric Fund

The Electric Fund has adopted capital expense of \$7.8 million in 2005-06. Expenditures have decreased by \$2.1 million compared to the prior year level. After reimbursements from Enterprise funds and other entities (e.g. PacBell), the net amount of Electric CIP expense is \$6.5 million.



Enterprise Funds 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; another study to evaluate the feasibility of connecting the City's electric system directly to the 230kV; the Embarcadero Rebuild 101 to Baylands; and System Reconstruction and Improvements.

Gas Fund

Total 2005-06 Adopted Gas Utility CIP expenditures are \$3.5 million. There is no significant change from the 2004-05 Adopted Budget. Net of reimbursements from customers and other funds, the total 2005-06 CIP expense is \$3.0 million.

Utilities staff will focus on the continuation of the accelerated Gas Main Replacement Projects by constructing and completing Gas Main Replacement Project 15. Staff will also design Gas Main Replacement 16.

Wastewater Collection Fund

Total 2005-06 Adopted CIP expense in the Wastewater Collection Fund is \$4.3 million; a \$1.0 million increase compared to the prior year level. The net 2005-06 CIP expense is \$4.0 million after reimbursement.

In 2005-06, Wastewater Collection System Rehabilitation Project 18, with adopted budget of \$3.2 million, will start the construction phase while Project 19 will start the design phase.

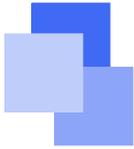
Water Fund

The Water Fund CIP primarily involves the Water Main Replacement (WMR) projects, reservoir new pump installations at Mayfield Pump Station, and other projects focused on reliability. The project at the Mayfield Pump Station is constructed to meet the recommendation of the California Department of Health Services to ensure an eight hour emergency water supply. During 2005-06, staff will install three pumps at the Mayfield Pump Station, construct WMR 19, and begin design for WMR 20

Total 2005-06 Adopted CIP expense in the Water Fund is \$2.4 million. This is a \$2.5 million decrease compared to the prior year level.

Wastewater Treatment Fund

There are four adopted CIP projects in the Wastewater Treatment Fund in 2005-06, all relating to improving system reliability. Total CIP expense within the fund is \$9.2 million; a \$4.0 million increase compared to the prior year level. With additional reimbursement from the enterprise funds and other agencies the net amount of Wastewater Treatment CIP expense for 2005-06 is \$1.9 million.



Enterprise Funds Capital Improvement Program

continued

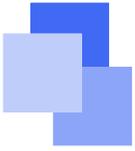
Storm Drainage Fund

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 2005-06 capital projects include \$2.6 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 2005-10 five-year plan in the enterprise funds include the following:

2005-10CIP List of New Projects ENTERPRISE FUND	
CIP NO.	Project Title
Electric Fund	
EL-06001	230 kV Electric Intertie
EL-08002	E. Meadow/Alma/Loma 4/12kV Conversion
EL-09000	Middlefield Underground Rebuild
EL-09002	Middlefield/Colorado 4/12 kV Conversion
EL-06000	Park Boulevard 4/12kV Conversion
EL-10001	Rebuild Underground District
EL-08001	UG District 42 Fairmeadow Area
EL-09001	UG District 43 San Antonio
EL-06002	UG District 45 Downtown
EL-06003	Utility Control Center Upgrades
Gas Fund	
GS-10001	GMR- Project 20
Water Fund	
WS-10001	WMR-Project 24
Wastewater Collection Fund	
WC-10002	WW Collection System Rehabilitation/Augmentation Project 23
Storm Drainage Fund	
SD-08101	Alma Street Storm Drain Improvements
SD-06104	Connect Clara Drive Storm Drains to Matadero Pump Station
SD-06103	Extend Galen Bibbits Storm Drain Outfall to the Adobe Pump Station
SD-06105	Innovative Storm Drain Improvements
SD-06102	San Francisquito Creek Storm Drain Water Pump Station
SD-10101	Southgate Neighborhood Storm Drain Improvements
SD-06101	Storm Drain System Replacement and Rehabilitation

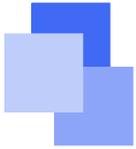


Enterprise Funds Capital Improvement Program *continued*

Projects Requiring Council Policy Direction

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

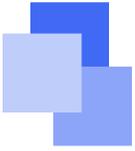
2005-10 CIP List of Projects Requiring Council Policy Direction		Council Policy Direction Criteria
CIP NO.	Project Title	
Electric Fund		
EL-06001	230 kV Electric Intertie	6
EL-05003	Relocation-Alma Substation	2.5



Enterprise Funds Capital Improvement Program *continued*

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).



Enterprise Funds Capital Improvement Program
continued



City of Palo Alto

ELECTRIC UTILITY 2005-2010

Capital Improvement Program



LEGEND

40	PROPOSED UNDERGROUND PROJECTS	
39	UG DISTRICT # 39 (01001)	2004-2006
41	UG DISTRICT # 41 (03001)	2005-2008
42	UG DISTRICT # 42 (06001)	2007-2009
43	UG DISTRICT # 43 (09001)	2008-2010
45	UG DISTRICT # 45 (06002)	2005-2008
A	PROPOSED UNDERGROUND REBUILD	
A1	EL CAMINO REAL (05000)	2005-2007
A2	MIDDLEFIELD ROAD (09000)	2008-2010
A3	REBUILD UG DISTRICT # 17	2010-2012
B	PROPOSED SYSTEM REBUILD	
B1	COLORADO SWITCH STATION REBUILD (05001)	2004-2007
B2	ALMA SUBSTATION RELOCATION	2005-2008
C	PROPOSED 4/12KV CONVERSION	
C1	MUMFORD/ ALMA/ SCRIPPS 4/12KV CUTOVER (05020)	2005-2007
C2	LOUIS RD./ E. CHARLESTON 4/12KV CUTOVER (05022)	2005-2007
C3	ROSS RD./ EAST MEADOW 4/12KV CUTOVER (05021)	2005-2007
C4	PARK BLVD 4/12KV CUTOVER (06000)	2005-2007
C5	E. CHARLESTON 4/12KV CUTOVER (08000)	2007-2009
C6	E. MEADOW/ ALMA/ LOMA VERDE 4/12KV (08002)	2007-2009
C7	MIDDLEFIELD/ COLORADO 4/12KV (09002)	2008-2009

CIP 230 KV ELECTRIC INTERTIE (EL-06001)

Description: This project will establish a 230 kV electric intertie line and construct a 230/60 kV substation to connect the City's electric system directly to the 230kV.

Justification: This project will allow the city to bypass the local transmission fees charged by PG&E. Net annual savings resulting from the interconnection fee reduction will be approximately \$2,000,000 annually. The initial funding proposed by this project will be used to do a feasibility analysis to determine the viability of several proposals and choose the most economical interconnection alternative.

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2010
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities

IMPACT ANALYSIS:

- **Environmental:** Project may be subject to CEQA.
- **Design Elements:** Design will consider line aesthetics and EMF.
- **Operating:** Reduces operating costs.

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs	\$250,000					\$250,000
Design Costs	\$250,000					\$250,000
Construction Costs						
Other						
Total Budget Request	\$500,000					\$500,000
Revenues:						
Source of Funds:	Electric Fund					
Council Policy Direction:	This project probably requires an Environmental Impact Review.					



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.

CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2003-2006
- **Overall Project Completion:** 10%
- **Percent Spent:** 13.81%
- **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	\$850,000
PY Actuals as of 12/31/2004	\$117,375

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$520,000					\$520,000
Total Budget Request	\$520,000					\$520,000
Revenues:	\$416,000					\$416,000
Source of Funds:	Electric Fund with the following reimbursements: Gas Fund(\$124,800); Water Fund(\$291,200)					



CUSTOMER INFORMATION SYSTEM (EL-93057)

Description: This project is a comprehensive utilities information and billing software package that was developed and implemented by Systems and Computer Technology Corporation (SCT). The same Customer Information System (CIS) is now owned by Indus Utilities Systems, Inc. The current funding request is for the maintenance and support for CIS and for consulting to perform a needs assessment for the information and billing software package.

Justification: The Utilities Department relies heavily on CIS for timely and accurate billing of customer accounts. It is also an important management information system for responding to customer inquiries, performing sales revenue forecasting, rate analysis, credit management, and transformer replacement studies, and maintaining meter inventory, and historical meter reading records.

Supplemental Information: The Utilities Department is now at a decision point of either performing a major, costly version upgrade of the Indus CIS system or acquiring a replacement product for the system with lower ongoing costs and more functionality.

CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2003-2009
- **Overall Project Completion:** 20%
- **Percent Spent:** 81.14%
- **Managing Department:** Utilities
- **Comprehensive Plan:** Furthers Program T-10 of the Comprehensive Plan
- **Board/Commission Review:** UAC

IMPACT ANALYSIS:

- **Environmental:** This is a project under CEQA.
- **Operating:** Begin 05/06 Maintenance/support charged to operating budget.

PRIOR YEARS

PY Budget	\$5,596,553
PY Actuals as of 12/31/2004	\$4,541,046

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$250,000	\$250,000	\$250,000		\$750,000
Other		\$50,000	\$50,000	\$50,000		\$150,000
Total Budget Request		\$300,000	\$300,000	\$300,000		\$900,000
Revenues:		\$155,139	\$155,997	\$165,000		\$476,136
Source of Funds:	Electric Fund with the following reimbursements: Gas Fund(\$211,745); Refuse Fund(\$106,036); Storm Drainage Fund(\$17,672); Wastewater Collection Fund(\$49,320); Water Fund(\$91,363)					



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.

CIP FACTS:

- **Continuing**
- **Timeline:** FY 2005-2008
- **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:** Screening of pad-mounted equipment will be included.
- **Operating:** Reduced operating expenses due to reduced lease costs.

PRIOR YEARS

PY Budget	\$30,000
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs	\$100,000					\$100,000
Design Costs		\$150,000				\$150,000
Construction Costs			\$3,000,000			\$3,000,000
Other						
Total Budget Request	\$100,000	\$150,000	\$3,000,000			\$3,250,000
Revenues:						
Source of Funds:	Electric Fund					



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:** This project furthers 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000	\$105,000	\$110,000	\$115,000	\$120,000	\$550,000
Other						
Total Budget Request	\$100,000	\$105,000	\$110,000	\$115,000	\$120,000	\$550,000
Revenues:						
Source of Funds:	Electric Fund					



**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:

- **New**
- **Timeline:** FY 2008-2009
- **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.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs			\$60,000			\$60,000
Construction Costs				\$600,000		\$600,000
Other						
Total Budget Request			\$60,000	\$600,000		\$660,000
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
 - **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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs			\$50,000			\$50,000
Construction Costs				\$500,000		\$500,000
Other						
Total Budget Request			\$50,000	\$500,000		\$550,000
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**
 - **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	\$0
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$100,000					\$100,000
Construction Costs		\$1,500,000				\$1,500,000
Other						
Total Budget Request	\$100,000	\$1,500,000				\$1,600,000
Revenues:						
Source of Funds:	Electric Fund					



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:** 87.63%
- **Managing Department:** Utilities

IMPACT ANALYSIS:

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

PRIOR YEARS

PY Budget	\$242,500
PY Actuals as of 12/31/2004	\$212,500

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$30,000	\$30,000	\$30,000	\$40,000		\$130,000
Construction Costs						
Other						
Total Budget Request	\$30,000	\$30,000	\$30,000	\$40,000		\$130,000
Revenues:						
Source of Funds:	Electric Fund					



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:** 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.

PRIOR YEARS

PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$1,500,000	\$1,600,000	\$1,700,000	\$1,800,000	\$1,900,000	\$8,500,000
Other						
Total Budget Request	\$1,500,000	\$1,600,000	\$1,700,000	\$1,800,000	\$1,900,000	\$8,500,000
Revenues:	\$450,000	\$480,000	\$510,000	\$540,000	\$570,000	\$2,550,000
Source of Funds:	Electric Fund with the following reimbursements: Others(\$2,550,000)					



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 Pacific Bell of \$850,000.

CIP FACTS:

- **Continuing**
- **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.

PRIOR YEARS

PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	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						
Total Budget Request	\$1,600,000	\$1,700,000	\$1,800,000	\$1,900,000	\$2,000,000	\$9,000,000
Revenues:	\$150,000	\$160,000	\$170,000	\$180,000	\$190,000	\$850,000
Source of Funds:	Electric Fund with the following reimbursements: Others(\$850,000)					



EMBARCADERO REBUILD 101 TO BAYLANDS (EL-04007)

Description: This project will rebuild portions of the underground system along Embarcadero Road between 101 and the Baylands. The project will improve system reliability by replacing deteriorated facilities.

Justification: Outages on electric systems installed at the same time as those on Embarcadero Road suggest that similar outages are likely to begin occurring in the near future. Many of the cables installed are over 30 years old, which is the expected life of the cable.

CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Timeline:** FY 2004-2006
- **Overall Project Completion:** 10%
- **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 expense due to new equipment.
- **Telecommunications:** None.

PRIOR YEARS

PY Budget	\$1,300,000
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$700,000	\$600,000				\$1,300,000
Other						
Total Budget Request	\$700,000	\$600,000				\$1,300,000
Revenues:						
Source of Funds:	Electric Fund					



FIBER OPTIC CUSTOMER CONNECTIONS (EL-98002)

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:** This project furthers Programs 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:** Infrastructure will require more funding.

PRIOR YEARS

PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Other						
Total Budget Request	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Revenues:	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Source of Funds:	Electric Fund with the following reimbursements: Others(\$1,000,000)					



FIBER OPTIC NETWORK SYSTEM IMPROVEMENTS (EL-98001)

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:** This project furthers Programs 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 in the d
- **Operating:** Additional infrastructure will require more operations and m

PRIOR YEARS

PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Other						
Total Budget Request	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Revenues:						
Source of Funds:	Electric Fund					



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:** 21.46%
- **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	\$400,000
PY Actuals as of 12/31/2004	\$85,843

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$60,000	\$90,000				\$150,000
Other						
Total Budget Request	\$60,000	\$90,000				\$150,000
Revenues:						
Source of Funds:	Electric Fund					



HOLLY OAK/CHRISTINE UNDERGROUND REBUILD (EL-04005)

Description: This project will rebuild and replace the underground electric system in the area near Holly Oak and Christine Drive. Work on this project will include the replacement of 36 year old electrical cable and the replacement of deteriorated transformers and their enclosures. Installation of new equipment will bring the electrical system up to current construction standards.

Justification: The underground system serving the Holly Oak and Christine Drive area was originally installed in 1964. Cables and equipment in the area have now been in place longer than the expected life of the facilities. In the recent past, we had a failure of equipment in the area due to the deteriorated state of the equipment.

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2005-2006
- **Overall Project Completion:** 20%
- **Percent Spent:** 5.00%
- **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	\$600,000
PY Actuals as of 12/31/2004	\$29,994

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000					\$100,000
Other						
Total Budget Request	\$100,000					\$100,000
Revenues:						
Source of Funds:	Electric Fund					



LOUIS EAST CHARLESTON 4/12/kV CONVERSION (EL-05022)

Description: This project will convert the primary electric distribution system in the Louis Road/East Charleston Road area from 4 kV to 12 kV.

Justification: The existing 4 kV distribution system serves 400 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-6 feeders serving this area are approximately 50 years old and among the oldest substation equipment in the City's electric system.

CIP FACTS:

- **Continuing**
 - **Project Status:** Design
 - **Timeline:** FY 2005-2006
 - **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 costs due to retirement of facilities.

PRIOR YEARS

PY Budget	\$35,000
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$400,000					\$400,000
Other						
Total Budget Request	\$400,000					\$400,000
Revenues:						
Source of Funds:	Electric Fund					



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:

- **New**
- **Timeline:** FY 2009-2010
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities

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.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs				\$75,000	\$500,000	\$575,000
Construction Costs						
Other						
Total Budget Request				\$75,000	\$500,000	\$575,000
Revenues:						
Source of Funds:	Electric Fund					

NEW



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:

- **New**
- **Timeline:** FY 2009-2010
- **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.

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs				\$20,000		\$20,000
Construction Costs					\$200,000	\$200,000
Other						
Total Budget Request				\$20,000	\$200,000	\$220,000
Revenues:						
Source of Funds:	Electric Fund					



MUMFORD/ALMA/SCRIPPS 4/12kV (EL-05020)

Description: This project will convert the primary electric distribution system in the Mumford Place/Alma Street/Scripps Avenue area from 4 kV to 12 kV.

Justification: The existing 4 kV distribution system serves 450 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 the EM-4 feeder serving this area are approximately 50 years old and among the oldest substation equipment in the City's electric system.

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2005-2006
- **Percent Spent:** 57.35%
- **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 costs due to retirement of facilities.

PRIOR YEARS

PY Budget	\$30,000
PY Actuals as of 12/31/2004	\$17,205

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$350,000					\$350,000
Other						
Total Budget Request	\$350,000					\$350,000
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.

Justification: The proposed comprehensive feasibility study will develop the information necessary to formulate a recommendation regarding the role, if any, for local gas-fired electric power generation in meeting the electricity supply needs for Palo Alto. Local generation, including possible facilities outside of Palo Alto city limits, is identified in the Council-approved Long-term Electric Acquisition Plan (LEAP) as potential source of Palo Alto's electric supplies.

Supplemental Information: The proposed study includes (1) developing the parameters that would be required for feasible sites, (2) evaluating the technical, economic, and environmental feasibility of and community support for such facilities, (3) identifying and contrasting potential Palo Alto power generation sites with other alternatives and outside of Palo Alto, and (4) reporting findings and recommendations to UAC and Council.

Phase 1 of the study will focus on the broad question, "Should staff be evaluating specific sites in Palo Alto?" Phase 2, if approved would focus on the question, "Are there sites in Palo Alto that are suitable?" Consultant services will be required in the areas of public participation and outreach, engineering and technical evaluation of power supply options, legal analysis, and financial pro-forma estimation. Internal staff expertise in the area of engineering, planning, and finance will also contribute to the project.

CIP FACTS:

- **New**
- **Timeline:** FY 2005-2006
- **Managing Department:** Utilities
- **Comprehensive Plan:** Goal N-9; 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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$500,000					\$500,000
Total Budget Request	\$500,000					\$500,000
Revenues:						
Source of Funds:	Electric Fund					
Council Policy Direction:	Project requires acquisition and disposal of real property.					



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:

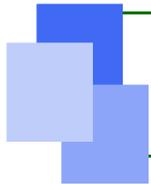
- **New**
- **Timeline:** FY 2006-2007
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy N-44.

IMPACT ANALYSIS:

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs		\$35,000	\$350,000			\$385,000
Construction Costs						
Other						
Total Budget Request		\$35,000	\$350,000			\$385,000
Revenues:						
Source of Funds:	Electric Fund					



REBUILD UG DISTRICT 17 (EL-10001)

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:

- **New**
- **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

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs				\$100,000	\$500,000	\$600,000
Construction Costs						
Other						
Total Budget Request				\$100,000	\$500,000	\$600,000
Revenues:						
Source of Funds:	Electric Fund					



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**
- **Overall Project Completion:** 10%
- **Percent Spent:** 0.00%
- **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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$1,800,000	\$135,000			\$1,935,000
Other						
Total Budget Request		\$1,800,000	\$135,000			\$1,935,000
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.					



ROSS/E. MEADOW 4/12KV CONVERSION (EL-05021)

Description: This project will convert the primary electric distribution system in the Ross Road/East Meadow Drive area from 4 kV to 12 kV.

Justification: The existing 4 kV distribution system serves 300 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 the EM-6 feeder serving this area are approximately 50 years old and among the oldest substation equipment in the City's electric system.

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2005-2500
- **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 costs due to retirement of facilities.

PRIOR YEARS

PY Budget	\$20,000
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$250,000					\$250,000
Other						
Total Budget Request	\$250,000					\$250,000
Revenues:						
Source of Funds:	Electric Fund					



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**
- **Overall Project Completion:** 30%
- **Percent Spent:** 65.06%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy G-3 and Program T-10.

IMPACT ANALYSIS:

- **Operating:** Improves operating efficiency.

PRIOR YEARS

PY Budget	\$570,000
PY Actuals as of 12/31/2004	\$370,841

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$75,000	\$75,000				\$150,000
Other						
Total Budget Request	\$75,000	\$75,000				\$150,000
Revenues:						
Source of Funds:	Electric Fund					



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:** This project furthers 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$135,000	\$140,000	\$145,000	\$150,000	\$155,000	\$725,000
Total Budget Request	\$135,000	\$140,000	\$145,000	\$150,000	\$155,000	\$725,000
Revenues:						
Source of Funds:	Electric Fund					



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:** This project furthers Policy N-44.

IMPACT ANALYSIS:

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

PRIOR YEARS

PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$190,000	\$200,000	\$210,000	\$220,000	\$230,000	\$1,050,000
Other						
Total Budget Request	\$190,000	\$200,000	\$210,000	\$220,000	\$230,000	\$1,050,000
Revenues:						
Source of Funds:	Electric Fund					



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 Pacific Bell can underground their lines.

Supplemental Information: Revenues from others represents reimbursements from Pacific Bell of \$1,240,000 and from Cable TV of \$100,000.

CIP FACTS:

- **Continuing**
 - **Project Status:** Pre-Design
 - **Timeline:** FY 2004-2007
 - **Overall Project Completion:** 0%
 - **Percent Spent:** 0.48%
 - **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:** Reduced overhead line maintenance costs.

PRIOR YEARS

PY Budget	\$100,000
PY Actuals as of 12/31/2004	\$476

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$3,100,000	\$250,000			\$3,350,000
Other						
Total Budget Request		\$3,100,000	\$250,000			\$3,350,000
Revenues:		\$1,240,000	\$100,000			\$1,340,000
Source of Funds:	Electric Fund with the following reimbursements: Others(\$1,340,000)					



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 Pacific Bell can underground their lines.

Supplemental Information: Revenues from others represent reimbursements by customers.

CIP FACTS:

- **New**
- **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.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs			\$200,000	\$3,500,000	\$520,000	\$4,220,000
Construction Costs						
Other						
Total Budget Request			\$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 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 Pacific Bell can underground their lines.

Supplemental Information: Revenues from others represent reimbursements by customers.

CIP FACTS:

- **New**
- **Timeline:** FY 2009-2011
- **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:** Pad-mounted equipment will be screened.
- **Operating:** Reduced maintenance expenses due to retirement of facilities

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs				\$150,000		\$150,000
Construction Costs					\$2,000,000	\$2,000,000
Other						
Total Budget Request				\$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 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 Pacific Bell can underground their lines.

Consultant Services Scope: Revenues from others represent reimbursements by customers.

CIP FACTS:

- **New**
- **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.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs		\$200,000				\$200,000
Construction Costs			\$2,500,000	\$150,000		\$2,650,000
Other						
Total Budget Request		\$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)					



UTILITY PRINT DESIGN (EL-99005)

Description: This project involves the physical printing of utility bills. Independent of the system used to collect customer information and prepare the bills (the Utilities CIS), the bills must be tabulated, calculated and physically printed. This project will maintain the current utility bill printing process. Modifications to the statement may include improved billing presentation for fiber optic services, acknowledgement of automatic bill payments received, and identification of power outage block numbers.

Justification: Ongoing enhancements to the Utility Department's CIS are needed to address customer expectations in their bill presentation. Additionally, this project provides training of staff to bring application support within the City organization and lower consulting costs.

Supplemental Information: In FY 2005-06, Utilities will continue to enhance the bill print with the upgraded software (DOC1). In FY 2006-07, Utilities will evaluate SAP interfacing. At that time, funding for this CIP will be moved over to the new project for SAP CCS implementation. Past 2007, this CIP will be phased out.

CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Timeline:** FY 2005-2009
- **Overall Project Completion:** 20%
- **Percent Spent:** 45.79%
- **Managing Department:** Utilities
- **Comprehensive Plan:** No policies or programs apply to this project.
- **Board/Commission Review:** UAC

IMPACT ANALYSIS:

- **Environmental:** Not a project under CEQA
- **Operating:** This project also addresses training needs.

PRIOR YEARS

PY Budget	\$895,539
PY Actuals as of 12/31/2004	\$410,031

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs	\$5,000	\$5,000	\$5,000	\$5,000		\$20,000
Design Costs	\$10,000	\$5,000	\$10,000	\$10,000		\$35,000
Construction Costs	\$20,000	\$5,000	\$20,000	\$20,000		\$65,000
Other	\$10,000	\$25,000	\$10,000	\$10,000		\$55,000
Total Budget Request	\$45,000	\$40,000	\$45,000	\$45,000		\$175,000
Revenues:	\$23,271	\$20,685	\$23,400	\$23,400		\$90,756
Source of Funds:	Electric Fund with the following reimbursements: Gas Fund(\$39,124); Refuse Fund(\$20,410); Storm Drainage Fund(\$3,402); Wastewater Collection Fund(\$9,960); Water Fund(\$17,860)					



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:

- **New**
- **Timeline:** FY 2005-2007
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy C-24.

IMPACT ANALYSIS:

- **Operating:** Improves operating efficiency.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$10,000	\$10,000	\$10,000			\$30,000
Construction Costs	\$90,000	\$90,000	\$90,000			\$270,000
Other						
Total Budget Request	\$100,000	\$100,000	\$100,000			\$300,000
Revenues:						
Source of Funds:	Electric Fund					



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.

CIP FACTS:

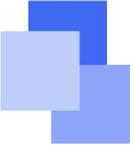
- **Continuing**
 - **Project Status:** Design
 - **Timeline:** FY 2004-2007
 - **Overall Project Completion:** 10%
 - **Percent Spent:** 0.52%
 - **Managing Department:** Utilities
 - **Comprehensive Plan:** This project furthers Policy N-40.
- IMPACT ANALYSIS:**
- **Environmental:** Categorically exempt under Section 15302 of CEQA.

PRIOR YEARS

PY Budget	\$180,000
PY Actuals as of 12/31/2004	\$927

FUTURE FINANCIAL REQUIREMENTS

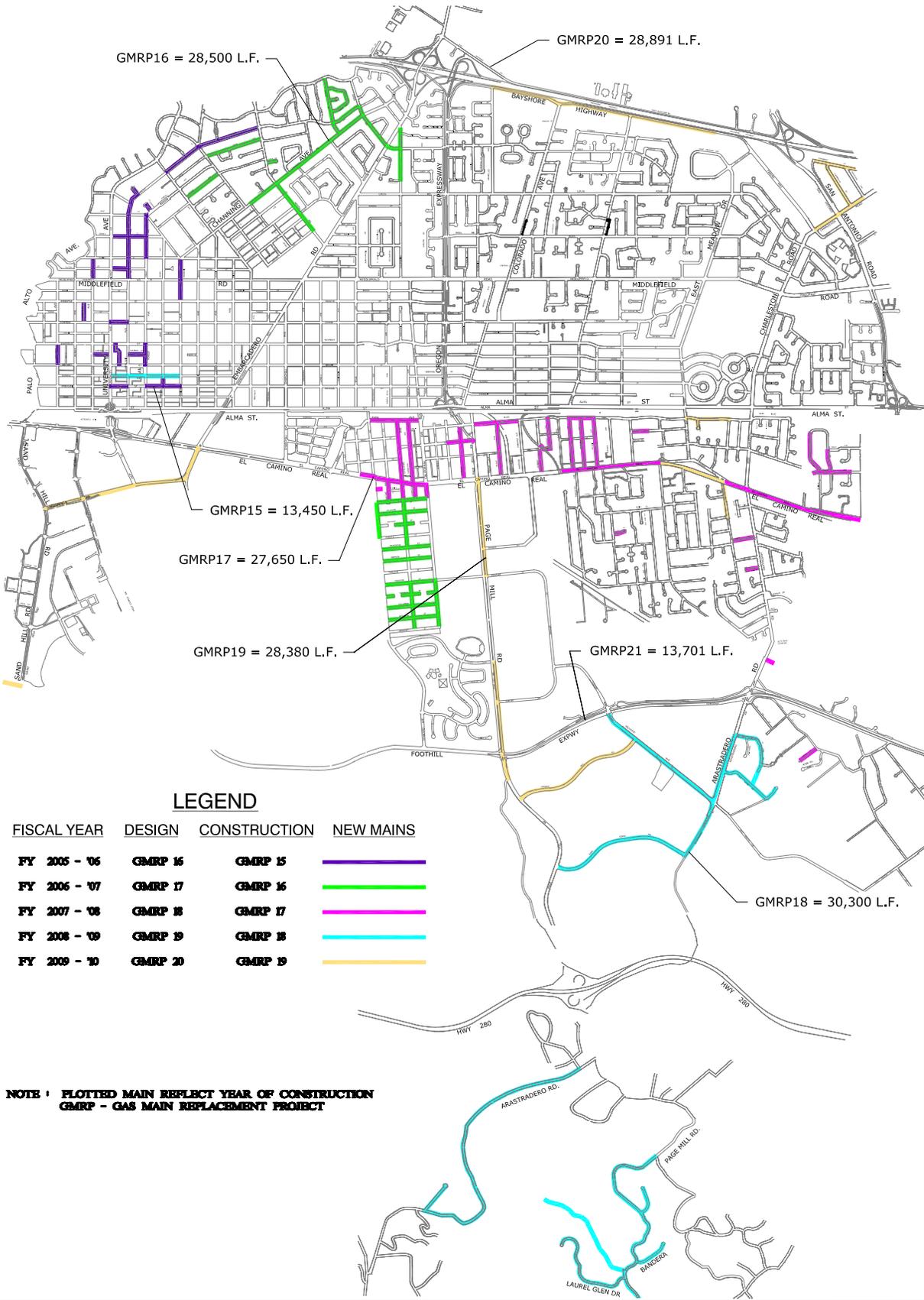
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$30,000					\$30,000
Construction Costs	\$80,000	\$110,000				\$190,000
Other						
Total Budget Request	\$110,000	\$110,000				\$220,000
Revenues:	\$66,000	\$66,000				\$132,000
Source of Funds:	Electric Fund with the following reimbursements: Gas Fund(\$44,000); Water Fund(\$88,000)					



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City of Palo Alto
GAS UTILITY 2005-2010
Capital Improvement Program



LEGEND

FISCAL YEAR	DESIGN	CONSTRUCTION	NEW MAINS
FY 2005 - '06	GMRP 16	GMRP 15	—
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	—

**NOTE : PLOTTED MAIN REFLECT YEAR OF CONSTRUCTION
GMRP - GAS MAIN REPLACEMENT PROJECT**



DIRECTIONAL BORING EQUIPMENT (GS-03007)

Description: This project will fund the purchase of additional equipment for the Utilities WGW Operations Division to assist with installing and locating new gas services by using directional boring methods. Increased use of directional boring to install gas facilities has reduced both damage to surface improvements (sidewalks, paving, landscaping, etc.) and associated restoration costs. Continued use of directional boring construction requires additional and replacement tooling.

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: a tracking system that identifies the location of the drill head during boring operation, a rock drill bit capable of penetrating sandstone and more consolidated soils, 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
 - **Overall Project Completion:** 80%
 - **Percent Spent:** 67.60%
 - **Managing Department:** Utilities
 - **Comprehensive Plan:** This project furthers 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	\$47,500
PY Actuals as of 12/31/2004	\$32,108

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other		\$53,000		\$56,000		\$109,000
Total Budget Request		\$53,000		\$56,000		\$109,000
Revenues:						
Source of Funds:	Gas Fund					



DIRECTIONAL BORING MACHINE (GS-02013)

Description: This project will purchase a new directional boring machine tailored to small diameter mains and customer service line installations. This purchase will include a complete stand-alone boring system capable of installing small diameter mains and one-inch diameter gas services. The purchase 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
- **Percent Spent:** 99.54%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers 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	\$126,000
PY Actuals as of 12/31/2004	\$125,423

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$30,000	\$165,000	\$35,000		\$40,000	\$270,000
Total Budget Request	\$30,000	\$165,000	\$35,000		\$40,000	\$270,000
Revenues:						
Source of Funds:	Gas Fund					



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**
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$254,000	\$262,000	\$270,000	\$278,000	\$286,000	\$1,350,000
Total Budget Request	\$254,000	\$262,000	\$270,000	\$278,000	\$286,000	\$1,350,000
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:** This project furthers 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$546,000	\$563,000	\$580,000	\$597,000	\$615,000	\$2,901,000
Other						
Total Budget Request	\$546,000	\$563,000	\$580,000	\$597,000	\$615,000	\$2,901,000
Revenues:	\$546,000	\$563,000	\$580,000	\$597,000	\$615,000	\$2,901,000
Source of Funds:	Gas Fund with the following reimbursements: Others(\$2,901,000)					



GMR - PROJECT 15 (GS-05002)

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 repairs 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 to 30,000 linear feet per year in FY 1999-2000. The completion of the ABS GMR program will occur in 2010, 5 years earlier than planned.

Supplemental Information: Based on bids received GMR Project 15 may include: Forest (Bryant to Waverley); Gilman (Hamilton to Forest); Florence (Lytton to University); Alley on Waverley just east of University; Cowper (University to Hamilton); Everett Ct. (Cowper to Webster); Hawthorne (Bryant to Waverley); Lytton (Middlefield to Guinda); Channing (Webster to Guinda); Hamilton (Middlefield to Hamilton Ct.); Hamilton Ct. (All); Hamilton (Lincoln to Newell); Fulton (University to Hamilton); Seneca (University to Forest); Forest (Guinda to Hale); Forest Ct. (All); 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); Emerson (Channing to Forest); Emerson Hamilton to University; Homer (Ramona to Emerson).

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$2,122,000					\$2,122,000
Other						
Total Budget Request	\$2,122,000					\$2,122,000
Revenues:						
Source of Funds:	Gas Fund					



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 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 2010, 5 years earlier than planned.

Supplemental Information: Based on bids received GMR16 may include: Ramona (University to Channing); Miller (Tamarack to Miller Ct.); Monroe (Miller to End (both sections)); ECR (Tennessee to City Limit); Park (Stanford to California); College (Park to Princeton); College (Hanover to Amherst); Cambridge (Yale to Park); Stanford (Cornell to Yale); Oxford (ECR to Yale); California (Yale to ECR); 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 N. California); Columbia (Stanford to California); Bowdoin (Stanford to California); ECR (Leland to California); Stanford Ct. (Stanford to End)(108,000 linear feet remain.)

CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **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:** This project will be coordinated with Public Works.
- **Operating:** Project will reduce future maintenance and other expenses.
- **Telecommunications:** None

PRIOR YEARS

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$402,000					\$402,000
Construction Costs		\$4,236,000				\$4,236,000
Other						
Total Budget Request	\$402,000	\$4,236,000				\$4,638,000
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 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 2010, 5 years earlier than planned.

Supplemental Information: Based on bids received GMR17 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 Jacobs Ct.); 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); Manuella Ct. (Old Trace to Manuella Ave); Manuella Way (Manuella Ave to End); 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); Park (Page Mill to Portage); Olive (Park to ECR); Sheridan (ECR to Park); Birch (Grant to Page Mill). (78,000 linear feet ABS remain.)

CIP FACTS:

- **Continuing**
 - **Project Status:** Pre-Design
 - **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:** This project will be coordinated with Public Works.
 - **Operating:** Project will reduce future maintenance and other expenses.
 - **Telecommunications:** None

PRIOR YEARS

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs		\$414,000				\$414,000
Construction Costs			\$4,349,000			\$4,349,000
Other						
Total Budget Request		\$414,000	\$4,349,000			\$4,763,000
Revenues:						
Source of Funds:	Gas Fund					



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 2010, 5 years earlier than planned.

Supplemental Information: Based on bids received GMR18 may include: Page Mill (ECR to Hanover); Page Mill (HP Service to Station # 3); East Bayshore (Embarcadero to Baylands); Laura (East Bayshore to End); Alexis (All); Country Club (All); Bandera (All); Laurel Glenn (All); Golf Course Feed; Arastradero (8½ Steel to End); Coyote Hill (Page Mill to Hillview). (48,000 linear feet remain.)

CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **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:** This project will be coordinated with Public Works.
- **Operating:** Project will reduce future maintenance and other expenses.
- **Telecommunications:** None

PRIOR YEARS

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs			\$425,000			\$425,000
Construction Costs				\$4,465,000		\$4,465,000
Other						
Total Budget Request			\$425,000	\$4,465,000		\$4,890,000
Revenues:						
Source of Funds:	Gas Fund					



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 2010, 5 years earlier than planned.

Supplemental Information: Based on bids received GMR19 may include: Transport (Industrial to San Antonio); Commercial (East Charleston to Transport); East Charleston (Fabian to Industrial); West Bayshore (Amarillo to 101 Undercrossing); East Bayshore (101 crossing to end of Baylands); Faber Place (Embarcadero to End); Embarcadero (Faber to End (north)); Arboretum (ECR to Sandhill); PA Airport (system including golf course); Davenport (Park to End); Park (West Meadow to Tennessee); Oak Creek Apts. (Main Service off Sand Hill); ECR (Maybell to Los Robles); Maybell (ECR to Pena); East Bayshore (101 under crossing to End); Corporation Way (All); Elwell Ct. (All). (30,000 linear feet ABS remain.)

CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **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:** This project will be coordinated with Public Works.
- **Operating:** Project will reduce future maintenance and other expenses.
- **Telecommunications:** None

PRIOR YEARS

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

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs				\$438,000		\$438,000
Construction Costs					\$4,600,000	\$4,600,000
Other						
Total Budget Request				\$438,000	\$4,600,000	\$5,038,000
Revenues:						
Source of Funds:	Gas Fund					



GMR - PROJECT 20 (GS-10001)

Description: This project replaces leaking, inadequately sized, and structurally deficient (thin walled) Polyvinyl Chloride (PVC) 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, is used to select candidates for main replacement.

Justification: This project will replace approximately 30,000 linear feet of thin walled PVC pipe. The goal of the accelerated infrastructure replacement program is to replace the remaining 160,000 linear feet of thin walled PVC gas main in the gas distribution system. The program is scheduled to take 6 years to complete ending in 2015. This project is mandatory due to the need to replace aging infrastructure and to reduce the City's liability exposure to these thin walled PVC gas facilities.

Supplemental Information: Based on bids received GMR 20 may include: Arastradero Rd (ECR to Old Trace Rd); Alta Mesa (Arastradero to Irven Ct.); Irven Ct. (Alta Mesa to End); Suzanne Ct. (Suzanne to End); Terman Dr (Arastradero to End); Ynigo Wy (Arastradero to End); Goergia (Arastradero to Hubbart); Crosby Pl (Georgia to End); Wallis Ct. (Georgia to End); Manuela (West of Mesa to End); Mesa Ct (Manuela to End); Mockingbird (Old Trace to End); Thain (ECR to Maybell); VA Hospital Service (Miranda to End); Foothill Expressway (Page Mill to Hillview); San Jude (Laguna to End); Laguna (Ilima to La Para); Villa Vista (Vista to Los Robles); Vista (ECR to Verdosa); Cesano Ct (Alma to End); Silva (Monroe to End); Cypress Ct (Cypress to End); Matadero Creek bike path (Hanover to Matadero Creek); Matadero Ct (Matadero to End); Curtner (ECR to Park); Fernando (ECR to Park); Portage (ECR to Ash); Ash (Page Mill to Olive); Page Mill (ECR to Alma).

CIP FACTS:

- **New**
- **Project Status:** Pre-Design
- **Timeline:** FY 2009-2015
- **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:** This project will be coordinated with Public Works.
- **Operating:** Project will reduce future maintenance and expenses.
- **Telecommunications:** None

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs					\$451,000	\$451,000
Construction Costs						
Other						
Total Budget Request					\$451,000	\$451,000
Revenues:						
Source of Funds:	Gas Fund					

CIP POLYETHYLENE FUSION EQUIPMENT (GS-03008)

Description: This project will purchase new polyethylene fusion equipment. The new equipment will replace existing equipment which is nearing the end of its useful life of six years. This equipment is used to fuse together pipe joints in the City's gas distribution system that utilizes polyethylene pipe.

Justification: The existing fusion equipment is showing signs of increased wear. 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 periodic replacement.

CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers 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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other		\$27,000		\$30,000		\$57,000
Total Budget Request		\$27,000		\$30,000		\$57,000
Revenues:						
Source of Funds:	Gas Fund					



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**
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$164,000	\$169,000	\$174,000	\$180,000	\$185,000	\$872,000
Other						
Total Budget Request	\$164,000	\$169,000	\$174,000	\$180,000	\$185,000	\$872,000
Revenues:						
Source of Funds:	Gas Fund					

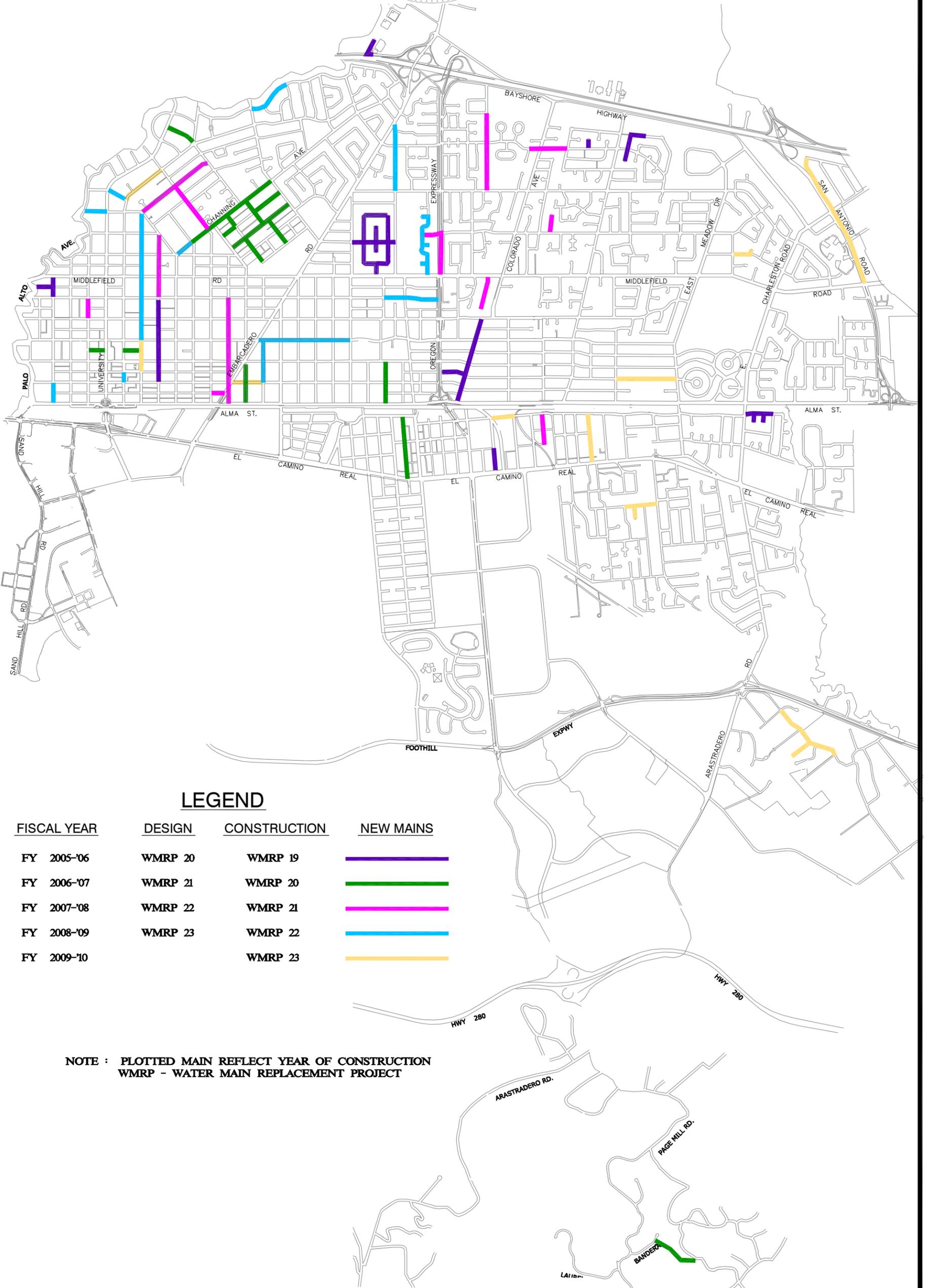
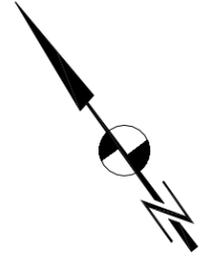


Water Fund

City of Palo Alto

WATER UTILITY 2005-2010

Capital Improvement Program



LEGEND

FISCAL YEAR	DESIGN	CONSTRUCTION	NEW MAINS
FY 2005-'06	WMRP 20	WMRP 19	
FY 2006-'07	WMRP 21	WMRP 20	
FY 2007-'08	WMRP 22	WMRP 21	
FY 2008-'09	WMRP 23	WMRP 22	
FY 2009-'10		WMRP 23	

NOTE : PLOTTED MAIN REFLECT YEAR OF CONSTRUCTION
 WMRP - WATER MAIN REPLACEMENT PROJECT



MAYFIELD PUMP STATION (WS-04004)

Description: This project will install three centrifugal pumps at the Mayfield Pump Station to deliver a higher water capacity to Pressure Area 2. A new discharge pipeline from the pump station will be connected to an existing 30-inch Pressure Area 2 pipeline on the Mayfield Reservoir site. Standby power facilities will be provided for this facility and will be sized to power both Pressure Area 2 and the existing Mayfield pump station for Pressure Area 1. Includes upgrades to instrumentation.

Justification: The project is needed to meet an eight hour minimum emergency demand, as recommended by the California Department of Health Services (DHS). As defined by the DHS, an emergency is the shutdown of the City of Palo Alto's water source - the San Francisco Public Utilities Commission (SFPUC) aqueduct system. The Mayfield Pressure Area 2 Pump Station is needed to meet the majority of Pressure Area 2 maximum day demand and fire flows when the SFPUC aqueducts are out of service.

CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Percent Spent:** 0.60%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy N-19.

IMPACT ANALYSIS:

- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Consultant required for design and construction.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** SCADA system communication required.

PRIOR YEARS

PY Budget	\$545,000
PY Actuals as of 12/31/2004	\$3,285

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$1,300,000					\$1,300,000
Other						
Total Budget Request	\$1,300,000					\$1,300,000
Revenues:						
Source of Funds:	Water Fund					



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**
- **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:** 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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs				\$250,000		\$250,000
Construction Costs					\$550,000	\$550,000
Other						
Total Budget Request				\$250,000	\$550,000	\$800,000
Revenues:						
Source of Funds:	Water Fund					



TURNOUTS REGULATOR STATION IMPROVEMENTS (WS-07000)

Description: Fourteen underground vaults and two above-ground water 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
- **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:** 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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs		\$320,000				\$320,000
Construction Costs			\$710,000			\$710,000
Other						
Total Budget Request		\$320,000	\$710,000			\$1,030,000
Revenues:						
Source of Funds:	Water Fund					



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 meter replacement cycle with recommendations of the American Water Works Association, and provide accurate data for the Water Utility billing system. Additional meters will be purchased for new and replacement irrigation systems.

PRIOR YEARS

PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$202,000	\$208,000	\$214,000	\$220,000	\$226,000	\$1,070,000
Other						
Total Budget Request	\$202,000	\$208,000	\$214,000	\$220,000	\$226,000	\$1,070,000
Revenues:						
Source of Funds:	Water Fund					

CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers 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

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:** This project furthers 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$88,000	\$90,000	\$93,000	\$96,000	\$99,000	\$466,000
Other						
Total Budget Request	\$88,000	\$90,000	\$93,000	\$96,000	\$99,000	\$466,000
Revenues:						
Source of Funds:	Water Fund					



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.

CIP FACTS:

- **Continuing**
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$30,000	\$30,000	\$30,000	\$40,000		\$130,000
Other						
Total Budget Request	\$30,000	\$30,000	\$30,000	\$40,000		\$130,000
Revenues:	\$20,000	\$20,000	\$20,000	\$26,666		\$86,666
Source of Funds:	Water Fund with the following reimbursements: Gas Fund(\$43,333); Wastewater Collection Fund(\$43,333)					

CIP WMR - PROJECT 19 (WS-05001)

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 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 planned for completion in 2018 (25 year period).

Supplemental Information: Based on bids received Project 19 may include: Olive Ave. (from El Camino Real to Ash St.), Byron St. (from Palo Alto Ave. to Hawthorne Ave.), Southhampton Dr. (from Portal Place to End), Colorado Ave. (from Alma St. to Cowper St.), Northampton Dr. (from Portal Pl. to End), Ramona St. (from Oregon Expressway to Colorado Ave.), Greenwich Place (from Begin to End), Newell Road (from Seale Ave. to N. California Ave.), Hawthorne Ave. (from Middlefield Rd. to Webster St.), Portal Place (from Middlefield Rd. to End), Homer Ave. (from Emerson St. to Webster St.), Park Blvd. (from Charleston Rd. to Edlee Ave.), Darlington Ct. (from Park Blvd. to End), New Berry Ct. (from Park Blvd. to End), Kenneth Dr. (from 3301 Kenneth Dr. to 3393 Kenneth Dr.), Greer Rd. (from 3143 Greer Rd. to 3161 Greer Rd.), E. Bayshore Rd. (from 2047 E. Bayshore Rd. to 151 Laura Ln.). Approximately 45 miles of the total 226 miles of the City's water mains are still in need of replacement or rehabilitation.

CIP FACTS:

- **Continuing**
- **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:** This project is coordinated with Public Works.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** None

PRIOR YEARS

PY Budget	\$212,000
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$300,000					\$300,000
Other						
Total Budget Request	\$300,000					\$300,000
Revenues:						
Source of Funds:	Water Fund					



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: Cedar St. (from Harker Ave. to Hopkins Ave.), Channing Ave. (from Addison Ave. to Newell Rd.), Harriet St. (from Harker Ave. to Hopkins Ave.), Harriet St. (from Channing Ave. to Greenwood Ave.), Hutchinson Ave. (from Harker Ave. to Channing Ave.), Harker Ave. (from Melville Ave. to Newell Rd.), Greenwood Ave. (from Melville Ave. to Harriet St.), Greenwood Ave. (from Hutchinson Ave. to Newell Rd.), Melville Ave. (from Alma St. to Bryant St.), Center St. (University Ave. to Hamilton Ave.), Santa Rita Ave. (from Alma St. to Bryant St.), Florence St. (from Lytton Ave. to University Ave.), Gilman St. (from Hamilton Ave. to Forest Ave.), Cambridge Ave. (from El Camino Real to Park Blvd.), Hewlett Subdivision Main (from adjacent to Page Mill Rd. to near Boronda Reservoir). 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**
- **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:** 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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$220,000					\$220,000
Construction Costs		\$2,334,000				\$2,334,000
Other						
Total Budget Request	\$220,000	\$2,334,000				\$2,554,000
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: Forest Ave. (from Boyce Ave. to Center St.), Lincoln Ave. (from Forest Ave. to Channing Ave.), Lytton Ave. (from Cowper St. to Webster St.), Homer Ave. (from Webster St. to Boyce Ave.), Oregon Ave. (from Middlefield Rd. to Ross Rd., Ross Rd. (from Garland Dr. to Oregon Ave.), Bryson Ave. (from Middlefield to End), Kingsley Ave. (from Alma St. to Webster St.), Amarillo Ave. (from Louis Rd. to Tanland Dr.), Greer Rd. (from Lawrence Ln. to Maddux Dr.), Wintergreen Way (from Ross Rd. to End), Chestnut Ave. (from Park Blvd. to Ash St.), High St. (from Lincoln Ave. to Embarcadero Rd.). Approximately 39 miles of the original projects 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. 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
- **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:** 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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs		\$226,000				\$226,000
Construction Costs			\$2,404,000			\$2,404,000
Other						
Total Budget Request		\$226,000	\$2,404,000			\$2,630,000
Revenues:						
Source of Funds:	Water Fund					



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: Chaucer St. (from University Ave. to Hamilton Ave.), N. California Ave. (from Louis Rd. to Embarcadero Rd.), Kellogg Ave. (from Emerson St. to Waverley St.), Waverley St. (from Embarcadero Rd. to Seale Ave.), Garland Dr. (from Middlefield Rd. to 857 Garland Dr.), East Pl. (from Garland Dr. to End), West Pl. (from Garland Dr. to End), Edgewood Dr. (from Newell Rd. to Jefferson Dr.), Hawthorne Ave. (from Alma St. to Emerson St.), Hamilton Ave. (from Emerson St. to Ramona St.), Hale St. (from Palo Alto Ave. to University Ave.), Channing Ave. (from Guinda St. to Addison Ave.), Webster St. (from Santa Rita Ave. to Oregon Expressway), Forest Ave. (from Waverley St. to Hale St.). 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**
- **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:** 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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs			\$233,000			\$233,000
Construction Costs				\$2,476,250		\$2,476,250
Other						
Total Budget Request			\$233,000	\$2,476,250		\$2,709,250
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: Emerson St. (from Kingsley Ave. to Kellogg Ave.), Forest Ave. (from Ramona St. to Waverley St.), Hamilton Ave. (from Chaucer St. to Lincoln Ave.), Ramona St. (from El Verano Ave. to East Meadow Dr.), Wilton Ave. (from Park Blvd. to El Camino Real), San Antonio Rd. (from Transport St. to Middlefield Rd.), Grove Ave. (from Mayview Ave. to Grove Ct.), Park Blvd. (from Oliver Ave. to Portage Ave.), La Donna St. (from Paul Ave. to Robles Ave.), San Jude Ave. (from La Donna St. to End), Manuela Ave. (from Mesa Ave. to West End), Manuela Way (from Manuela Ave. 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**
- **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:** 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 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs				\$240,000		\$240,000
Construction Costs					\$2,806,000	\$2,806,000
Other						
Total Budget Request				\$240,000	\$2,806,000	\$3,046,000
Revenues:						
Source of Funds:	Water Fund					



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: Miranda Ave. (from Arroyo Ct. to East End), Moana Ct. (from Miranda Ave. to End), Miranda Ct. (from Miranda Ave. to End), Lincoln Ave. (from Emerson St. to Channing Ave.), Seale Ave. (from Middlefield Rd. to Embarcadero Rd.), Everett Ave. (from Alma St. to Middlefield Rd.), Hawthorne Ave. (from Emerson St. to Webster St.), Lytton Ave. (from Cowper St. to Webster St.), 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**
- **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:** This project is coordinated with Public Works.
- **Operating:** Decrease in water system maintenance costs.
- **Telecommunications:** None

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs					\$292,000	\$292,000
Construction Costs						
Other						
Total Budget Request					\$292,000	\$292,000
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.

CIP FACTS:

- **Continuing**
- **Project Status:** Construction
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy N-19.

IMPACT ANALYSIS:

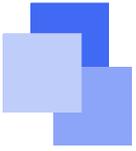
- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** None
- **Operating:** Decrease in system maintenance and increased revenue.
- **Telecommunications:** None

PRIOR YEARS

PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$314,000	\$323,000	\$333,000	\$343,000	\$353,000	\$1,666,000
Other						
Total Budget Request	\$314,000	\$323,000	\$333,000	\$343,000	\$353,000	\$1,666,000
Revenues:	\$314,000	\$323,000	\$333,000	\$343,000	\$353,000	\$1,666,000
Source of Funds:	Water Fund with the following reimbursements: Others(\$1,666,000)					



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CIP **Wastewater Collection Fund**



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. 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:** Other
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers 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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	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						
Total Budget Request	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
Revenues:						
Source of Funds:	Wastewater Collection Fund					



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.

PRIOR YEARS

PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$357,000	\$367,000	\$378,000	\$389,000	\$401,000	\$1,892,000
Other						
Total Budget Request	\$357,000	\$367,000	\$378,000	\$389,000	\$401,000	\$1,892,000
Revenues:	\$357,000	\$367,000	\$378,000	\$389,000	\$401,000	\$1,892,000
Source of Funds:	Wastewater Collection Fund with the following reimbursements: Others(\$1,892,000)					

CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers 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



WW COLLECTION SYS. REHAB/AUG. PROJECT 18 (WC-05003)

Description: These projects implement high priority rehabilitation, augmentation, and lateral replacement work which reduces inflow of rainfall and ground water into the collection system. Specific mains and trunk sewers will be enlarged to handle existing and future wastewater flows. Contract cleaning and videotaping of large diameter sewer trunks and mains, flow monitoring and surveying will be conducted. These video tapes are kept and used to identify sewer collection system deficiencies.

Justification: The following areas and mains will be rehabilitated, augmented or replaced in Project 18: E. Meadow Drive (Cowper St. to Middlefield Road, Loma Verde Avenue (Torreya Court to Louis Road), Ross Road (Faber Place to Embarcadero Way), and other rehabilitation work as identified through video and maintenance needs. Studies have been performed analyzing the extent and sources of inflow/infiltration into the wastewater system. The most cost-effective rehabilitation of WWC system work will be completed.

CIP FACTS:

- **Continuing**
- **Project Status:** Other
- **Percent Spent:** 2.38%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers 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	\$255,000
PY Actuals as of 12/31/2004	\$6,072

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$3,225,000					\$3,225,000
Other						
Total Budget Request	\$3,225,000					\$3,225,000
Revenues:						
Source of Funds:	Wastewater Collection Fund					



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.

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers 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	\$0
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$340,000					\$340,000
Construction Costs		\$3,335,000				\$3,335,000
Other						
Total Budget Request	\$340,000	\$3,335,000				\$3,675,000
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.

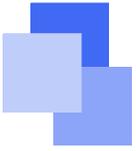
Justification: The 2004 Collection System Master Plan update indicated certain facilities are in need of enlargement to handle growth and peak flows. The mains selected for replacement and/or rehabilitation are determined by the recommendations of the Master Plan Study; by research and analysis of sewer 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:

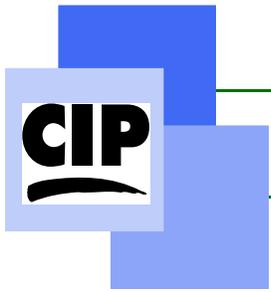
- **Continuing**
- **Project Status:** Other
- **Percent Spent:** 0.00%
- **Managing Department:** Utilities
- **Comprehensive Plan:** This project furthers Policy N-18.

IMPACT ANALYSIS:

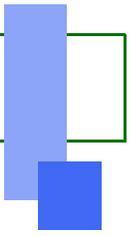
- **Environmental:** Categorically exempt under Section 15302 of CEQA.
- **Design Elements:** Trenching work will be coordinated with Public Works.
- **Operating:** Reduces future maintenance expenses.
- **Telecommunications:** None



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Wastewater Treatment Fund





FACILITY CONDITION ASSESS. & 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 period of four years.

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 2004-2007
 - **Overall Project Completion:** 30%
 - **Percent Spent:** 23.88%
 - **Managing Department:** Public Works
 - **Comprehensive Plan:** This project furthers 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	\$950,000
PY Actuals as of 12/31/2004	\$226,852

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$800,000	\$700,000				\$1,500,000
Other						
Total Budget Request	\$800,000	\$700,000				\$1,500,000
Revenues:						
Source of Funds:	Wastewater Treatment Fund					



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:** This project furthers Policy N-25.

IMPACT ANALYSIS:

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

PRIOR YEARS

PY Budget	ongoing
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$300,000	\$400,000	\$2,400,000	\$2,500,000	\$2,500,000	\$8,100,000
Other						
Total Budget Request	\$300,000	\$400,000	\$2,400,000	\$2,500,000	\$2,500,000	\$8,100,000
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 2004-2008
 - **Overall Project Completion:** 10%
 - **Percent Spent:** 5.95%
 - **Managing Department:** Public Works
 - **Comprehensive Plan:** This project furthers Goal N-4 and 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	\$4,800,000
PY Actuals as of 12/31/2004	\$285,679

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$8,000,000	\$4,000,000				\$12,000,000
Other						
Total Budget Request	\$8,000,000	\$4,000,000				\$12,000,000
Revenues:	\$7,300,000	\$3,200,000				\$10,500,000
Source of Funds:	Wastewater Treatment Fund with the following reimbursements: Local Agency Grant(\$6,200,000); State Grant(\$3,800,000); Water Fund(\$500,000)					



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:** This project furthers Policy N-25.

IMPACT ANALYSIS:

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

PRIOR YEARS

PY Budget	ongoing
PY Actuals as of	\$0

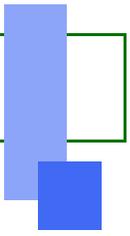
FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Other						
Total Budget Request	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Revenues:						
Source of Funds:	Wastewater Treatment Fund					



CIP

Storm Drainage Fund





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.

CIP FACTS:

- **New**
- **Timeline:** FY 2008-2010
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers 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.

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs			\$225,000			\$225,000
Construction Costs				\$1,420,000		\$1,420,000
Other						
Total Budget Request			\$225,000	\$1,420,000		\$1,645,000
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: Other=Staff Labor

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2008
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers 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.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$180,000					\$180,000
Construction Costs		\$740,000				\$740,000
Other	\$38,480					\$38,480
Total Budget Request	\$218,480	\$740,000				\$958,480
Revenues:						
Source of Funds:	Storm Drainage Fund					



EXTEND GAILEN/BIBBITS STORM DRAIN OUTFALL TO THE ADOBE PUMP STATION (SD-06103)

Description: This project consists of the connection of an existing gravity storm drain outfall into Adobe Creek to the Adobe Storm Water Pump Station through the installation of approximately 1,650 linear feet of 36-inch diameter storm drain parallel to Adobe Creek within Santa Clara Valley Water District (SCVWD) right-of-way.

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: Other=Staff Labor

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2007
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers Policy N-24 and Program N-3.

IMPACT ANALYSIS:

- **Environmental:** Categoricaly exempt under Section 15302 of CEQA.
- **Operating:** Wwill result in negligible increase in the operation expense

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$650,000					\$650,000
Other	\$41,460					\$41,460
Total Budget Request	\$691,460					\$691,460
Revenues:						
Source of Funds:	Storm Drainage Fund					



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: Other=Staff Labor and grant funding

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2010
- **Managing Department:** Public Works
- **Comprehensive Plan:** Project furthers Policy N20, 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:** Wwill result in reduced operating costs for Public Works Ops

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$50,000					\$50,000
Other	\$85,400	\$125,000	\$125,000	\$125,000	\$125,000	\$585,400
Total Budget Request	\$135,400	\$125,000	\$125,000	\$125,000	\$125,000	\$635,400
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 recently approved Storm Drainage Fee increase proposal. A new pump station will be constructed at the end of an existing 96-inch 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: Other=Staff Labor (\$49,920) and easement acquisition (\$500,000)

CIP FACTS:

- **New**
- **Timeline:** FY 2006-2010
- **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 report (EIR) 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.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs	\$100,000					\$100,000
Design Costs	\$300,000					\$300,000
Construction Costs		\$1,600,000	\$2,175,000			\$3,775,000
Other	\$549,920					\$549,920
Total Budget Request	\$949,920	\$1,600,000	\$2,175,000			\$4,724,920
Revenues:						
Source of Funds:	Storm Drainage Fund					



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.

CIP FACTS:

- **New**
- **Timeline:** FY 2010-2011
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers 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.

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs					\$94,000	\$94,000
Construction Costs					\$846,000	\$846,000
Other						
Total Budget Request					\$940,000	\$940,000
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: On-Going Project, other=Staff Labor

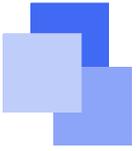
CIP FACTS:

- **New**
- **Timeline:** FY 2006-2010
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers 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.

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
Other	\$78,000					\$78,000
Total Budget Request	\$578,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,578,000
Revenues:						
Source of Funds:	Storm Drainage Fund					



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Other Funds

Other Funds Capital Improvement Program

An Overview

Capital 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 adopted capital budget expense of \$0.2 million in 2005-06, \$0.3 million decrease from a prior year level. The Vehicle Replacement Fund has two projects in 2005-06 while in 2004-05, five projects. Project in 2005-06 include MSC Equipment Maintenance Facility Storage Area and MTBE Investigation at Fire Station #2.

Technology Fund

The Technology Fund has adopted capital budget expense of \$1.2 million in 2005-06, a decrease of \$1.0 million from the prior year level. Four new projects were added last year while this year, three projects. There are seven continuing projects in the Technology Fund in 2005-06.

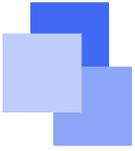
New Projects

New Projects that are being added to the proposed 2005-10 five-year are as follows:

2005-10CIP List of New Projects OTHER FUNDS	
CIP NO.	Project Title
Vehicle Replacement/ Maintenance Fund	
VR-06800	MTBE Investigation at Fire Station # 2
Vr-068001	Replace Vehicle Fuel Transaction & Fuel Inventory Mgmt System
Technology Fund	
TE-06000	Library Circulation Self-Service Checkout
TE-06001	Library RFID Implementation
TE-06002	9-1-1 Emergency Phone System Upgrade

Council Policy Direction

There are no projects in the Internal Service Funds that require Council Policy direction.

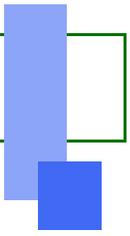


Other Funds Capital Improvement Program
continued

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Vehicle Replacement Fund





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.

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.

CIP FACTS:

- **Continuing**
- **Project Status:** Pre-Design
- **Timeline:** FY 2005-2006
- **Percent Spent:** 96.46%
- **Managing Department:** Public Works

IMPACT ANALYSIS:

- **Design Elements:** Structural engineering consultant to design footings
- **Operating:** Periodic maintenance to freight elevators

PRIOR YEARS

PY Budget	\$85,000
PY Actuals as of 12/31/2004	\$81,990

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs	\$10,000					\$10,000
Construction Costs	\$130,000					\$130,000
Other						
Total Budget Request	\$140,000					\$140,000
Revenues:						
Source of Funds:	Vehicle Replacement Fund					



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.

CIP FACTS:

- **Continuing**
- **Project Status:** Design
- **Timeline:** FY 2001-2007
- **Percent Spent:** 29.74%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Policies 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 12/31/2004	\$89,226

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$250,000				\$250,000
Other						
Total Budget Request		\$250,000				\$250,000
Revenues:						
Source of Funds:	Vehicle Replacement Fund					

CIP MTBE INVESTIGATION AT FIRE STATION #2 (VR-06800)

Description: At Fire Station 2, continue investigation and characterization of Methyl Tert-Butyl Ether (MTBE) groundwater contamination, which was discovered as a result of previous environmental monitoring activity.

Justification: Environmental monitoring performed at the gasoline dispensing facility located at Fire Station 2 revealed a groundwater MTBE concentration of 140 parts per billion, which is a level of concern to the Santa Clara Valley Water District. The District is requiring further investigation, which may include the placement of several monitoring wells, and ongoing soil sampling to determine if residual contamination exists. It is unknown at this time if any, remediation will be required.

Supplemental Information: In 2003, the California Regional Water Quality Control Board required that environmental monitoring be performed at gasoline dispensing facilities considered "high threat sites" (those adjacent to wells or groundwater aquifers). This monitoring was required as a result of the increased incidence of MTBE detected in groundwater and water supply wells.

The level of MTBE detected during the original environmental monitoring is relatively low, and there is a good possibility that subsequent testing will show the current level of MTBE to be below the level of concern. If this scenario occurs, Equipment Management will petition the District for closure of this case.

The cost of the investigation and remediation (if required) may be subject to reimbursement from the California Underground Storage Tank Cleanup Fund.

CIP FACTS:

- **New**
- **Project Status:** Other
- **Timeline:** FY 2005-2006
- **Overall Project Completion:** 0%
- **Managing Department:** Public Works
- **Comprehensive Plan:** This project furthers Policy N-18, Program N-31.

IMPACT ANALYSIS:

- **Operating:** Ongoing cost for periodic groundwater analysis.

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$100,000					\$100,000
Total Budget Request	\$100,000					\$100,000
Revenues:						
Source of Funds:	Vehicle Replacement Fund					



REPLACE VEHICLE FUEL TRANSACTION AND FUEL INVENTORY MANAGEMENT SYSTEM (VR-06801)

Description: Replace the existing Citywide vehicle fuel transaction and fuel inventory management 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 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 its 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:

- **New**
- **Project Status:** Other
- **Timeline:** FY 2006-2007
- **Overall Project Completion:** 0%
- **Managing Department:** Public Works

IMPACT ANALYSIS:

- **Operating:** Periodic hardware and software upgrades
- **Telecommunications:** Use existing LAN and telephone infrastructure

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs		\$200,000				\$200,000
Other						
Total Budget Request		\$200,000				\$200,000
Revenues:						
Source of Funds:	Vehicle Replacement Fund					



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:** 0%
- **Percent Spent:** 39.83%
- **Managing Department:** Public Works
- **Comprehensive Plan:** Project furthers Policy N-26 and Program N-40.

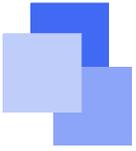
IMPACT ANALYSIS:

PRIOR YEARS

PY Budget	\$210,000
PY Actuals as of 12/31/2004	\$83,642

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other		\$100,000				\$100,000
Total Budget Request		\$100,000				\$100,000
Revenues:						
Source of Funds:	Vehicle Replacement Fund					



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CIP 9-1-1 EMERGENCY PHONE SYSTEM UPGRADE (TE-06002)

Description: The 9-1-1 Emergency phone system, also known as Customer Premise Equipment (CPE) is one year beyond the normal five-year replacement cycle. This project will upgrade the system to accommodate the recent changes in technology and the growing number of communication devices capable of accessing the 9-1-1 network.

Justification: In the past five years, telecommunications technology has changed dramatically. There are now devices, in addition to wire line phones, that are capable of accessing the 9-1-1 network. These include cell phones, voice over Internet Protocol (VoIP) phones and, in the foreseeable future, laptops and PDAs. It is critical that the City’s 9-1-1 Emergency Communications Center accept, analyze, and quantify these various 9-1-1 calls from citizens in Palo Alto and Stanford University.

CIP FACTS:

- **New**
- **Timeline:** FY 2005-2006
- **Managing Department:** Administrative Services

IMPACT ANALYSIS:

- **Environmental:** Project is categorically exempt from CEQA under 15301
- **Operating:** Ongoing maintenance included in Police Department budget

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$324,000					\$324,000
Total Budget Request	\$324,000					\$324,000
Revenues:	\$324,000					\$324,000
Source of Funds:	Technology Fund with the following reimbursements: State Grant(\$324,000)					



ACQUISITION OF NEW COMPUTERS (TE-99010)

Description: This project funds the acquisition of new computers for the City. Currently planned acquisitions include four "rugged-ized" laptops for the Utilities Department.

Justification: Field service staff are the "first responders," 24/7/365, to all utility emergency calls. These computers with wireless capabilities will be used by the field service staff to identify and locate water or gas main leaks.

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	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$16,000		\$75,000	\$75,000	\$75,000	\$241,000
Total Budget Request	\$16,000		\$75,000	\$75,000	\$75,000	\$241,000
Revenues:	\$16,000		\$75,000	\$75,000	\$75,000	\$241,000
Source of Funds:	Technology Fund with the following reimbursements: Gas Fund(\$5,333); General Fund(\$225,000); Wastewater Collection Fund(\$5,333); Water Fund(\$5,334)					



CITYWIDE GIS DATA, INFRA. & 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 and Fire operations. Applications will also perform document storage and retrieval for Planning and the City Clerk's office, and update the spatial data set that is the foundation of the system.

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:** 35.77%
- **Managing Department:** Administrative Services
- **Comprehensive Plan:** Proj. furthers Policies 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	\$1,285,794
PY Actuals as of 12/31/2004	\$459,913

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$108,632	\$108,632	\$258,632	\$258,632	\$258,632	\$993,160
Total Budget Request	\$108,632	\$108,632	\$258,632	\$258,632	\$258,632	\$993,160
Revenues:	\$70,314	\$70,314	\$167,404	\$167,404	\$167,404	\$642,840
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$263,831); Gas Fund(\$119,180); Refuse Fund(\$102,587); Storm Drainage Fund(\$9,930); Wastewater Collection Fund(\$33,635); Wastewater Treatment Fund(\$54,214); Water Fund(\$59,463)					



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
 - **Overall Project Completion:** 60%
 - **Percent Spent:** 0.00%
 - **Managing Department:** Administrative Services
 - **Comprehensive Plan:** Furthers 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	\$300,000
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$150,000	\$135,000	\$135,000	\$135,000	\$135,000	\$690,000
Total Budget Request	\$150,000	\$135,000	\$135,000	\$135,000	\$135,000	\$690,000
Revenues:	\$97,090	\$87,382	\$87,382	\$87,382	\$87,382	\$446,618
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$183,299); Gas Fund(\$82,800); Refuse Fund(\$71,274); Storm Drainage Fund(\$6,900); Wastewater Collection Fund(\$23,368); Wastewater Treatment Fund(\$37,664); Water Fund(\$41,313)					



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
- **Percent Spent:** 84.62%
- **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	\$390,000
PY Actuals as of 12/31/2004	\$330,000

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000
Total Budget Request	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000
Revenues:	\$38,836	\$38,836	\$38,836	\$38,836	\$38,836	\$194,180
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$79,695); Gas Fund(\$36,000); Refuse Fund(\$30,990); Storm Drainage Fund(\$3,000); Wastewater Collection Fund(\$10,160); Wastewater Treatment Fund(\$16,375); Water Fund(\$17,960)					

NEW



LIBRARY CIRCULATION SELF-SERVICE CHECKOUT STATIONS (TE-06000)

Description: This project will fund the purchase of two express self-service stations that will be used by library customers to checkout their own materials. One station will be placed at each of the Downtown and College Terrace branch libraries. The equipment, similar to that in place at the Mitchell Park and Main libraries, will be networked to the library system that manages all circulation transactions.

Justification: A major goal of the Library is to implement technologies that will improve customer service and help control staffing costs. Express checkout stations achieve this goal by enhancing self-service options for library service, increasing privacy for customers, improving turnaround time, reducing repetitive stress injuries among staff, and enabling the library to handle increased circulation activity without adding staff. This technology is already in place in two of the five libraries.

CIP FACTS:

- **New**
- **Project Status:** Other
- **Timeline:** FY 2005-2006
- **Percent Spent:** 0.00%
- **Managing Department:** Administrative Services
- **Comprehensive Plan:** This project furthers Policy C-3, C-9

IMPACT ANALYSIS:

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$33,000					\$33,000
Total Budget Request	\$33,000					\$33,000
Revenues:						
Source of Funds:	Technology Fund					



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:

- **New**
 - **Project Status:** Design
 - **Timeline:** FY 2005-2007
 - **Managing Department:** Administrative Services
 - **Comprehensive Plan:** Furthers Program C-12 of the Comprehensive Plan
- IMPACT ANALYSIS:**
- **Environmental:** Project is categorically exempt from CEQA under Sec 15301
 - **Operating:** Operating costs will be incurred once the system is in place

FUTURE FINANCIAL REQUIREMENTS						
	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$45,000	\$800,000				\$845,000
Total Budget Request	\$45,000	\$800,000				\$845,000
Revenues:						
Source of Funds:	Technology Fund					



PERMIT INFORMATION TRACKING SYSTEM (TE-95016)

Description: This project is to implement an automated Permit Information Tracking system. The system will be used to track and monitor many types of permits and other activities such as applications, licenses, inspections, and code enforcement. One of the most advantageous uses of the system will be to monitor the complete development project from planning to occupancy. The system will calculate fees, place holds, route information, monitor conditions of approval, and monitor special fees.

Justification: The Interdepartmental Cooperation Subcommittee of the Customer Service Committee has identified over 50 different types of permit procedures that require interdepartmental approval and coordination, and a need for improved tracking systems. The Hughes Heiss evaluation also recognized this need, as have members of the public who obtain various City approvals. Most of these permit procedures can be significantly improved through the use of an automated permit tracking system.

CIP FACTS:

- **Continuing**
 - **Project Status:** Other
 - **Overall Project Completion:** 80%
 - **Percent Spent:** 71.26%
 - **Managing Department:** Administrative Services
 - **Comprehensive Plan:** Furthers Policies C-10,G-3,G-12,& Prog. G-4/T-10
- IMPACT ANALYSIS:**
- **Environmental:** Categorically exempt from CEQA
 - **Operating:** Annual software maintenance at \$45,000 starting 2000.

PRIOR YEARS

PY Budget	\$1,040,000
PY Actuals as of 12/31/2004	\$741,073

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$50,000					\$50,000
Total Budget Request	\$50,000					\$50,000
Revenues:						
Source of Funds:	Technology Fund					



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
 - **Percent Spent:** 0.00%
 - **Managing Department:** Administrative Services
 - **Comprehensive Plan:** Project furthers Policy C-9 of the Comp Plan
- IMPACT ANALYSIS:**
- **Environmental:** This is not a project under CEQA.
 - **Operating:** Included in the Police Department budget

PRIOR YEARS

PY Budget	\$385,000
PY Actuals as of 12/31/2004	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs	\$341,980	\$6,500	\$14,000	\$14,000	\$14,000	\$390,480
Other						
Total Budget Request	\$341,980	\$6,500	\$14,000	\$14,000	\$14,000	\$390,480
Revenues:	\$123,113	\$2,340	\$5,040	\$5,040	\$5,040	\$140,573
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$19,524); Gas Fund(\$19,524); Stanford(\$62,477); Wastewater Collection Fund(\$19,524); Water Fund(\$19,524)					



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
- **Percent Spent:** 0.00%
- **Managing Department:** Administrative Services
- **Comprehensive Plan:** This project furthers Policies B-16 and C-9

IMPACT ANALYSIS:

- **Environmental:** Not a project under CEQA
- **Operating:** Maintenance required. Funded by Communications & Tel Svc.

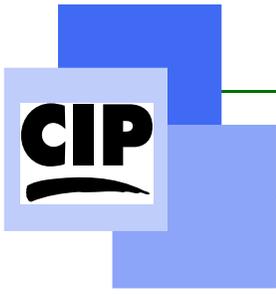
PRIOR YEARS

PY Budget	\$750,000
PY Actuals as of	\$0

FUTURE FINANCIAL REQUIREMENTS

	2005-06	2006-07	2007-08	2008-09	2009-10	Total Funding
Pre-Design Costs						
Design Costs						
Construction Costs						
Other	\$100,000	\$100,000				\$200,000
Total Budget Request	\$100,000	\$100,000				\$200,000
Revenues:	\$64,728	\$64,728				\$129,456
Source of Funds:	Technology Fund with the following reimbursements: Electric Fund(\$53,130); Gas Fund(\$24,000); Refuse Fund(\$20,660); Storm Drainage Fund(\$2,000); Wastewater Collection Fund(\$6,774); Wastewater Treatment Fund(\$10,918); Water Fund(\$11,974)					





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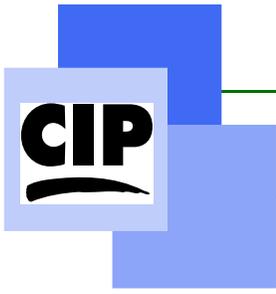
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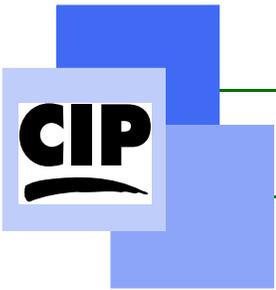
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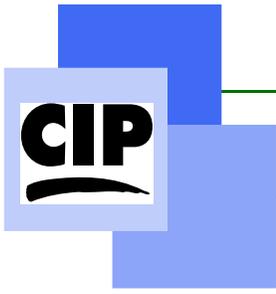
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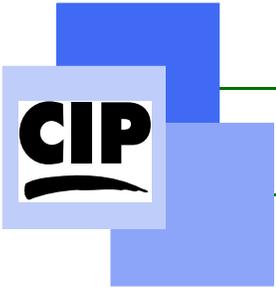
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Glossary

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.

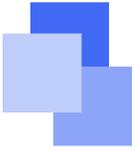
Capital Projects Fund: A fund created to account for all resources to be used for the construction or acquisition of designated fixed assets by a governmental unit except those financed by proprietary or fiduciary funds.

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”.

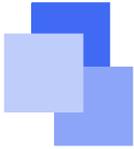
Infrastructure Assets: Roads, bridges, curbs and gutters, streets, sidewalks, drainage systems, and lighting systems installed for the common good.

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 General Fund budget is developed using a modified accrual basis of accounting, with revenues being recorded when measurable and available, and expenditures recorded when the liability is incurred. Enterprise Funds and Internal Service Funds are budgeted on a generally accepted accounting principles (GAAP) basis, which for Proprietary Funds is on a full accrual accounting basis.

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.



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.

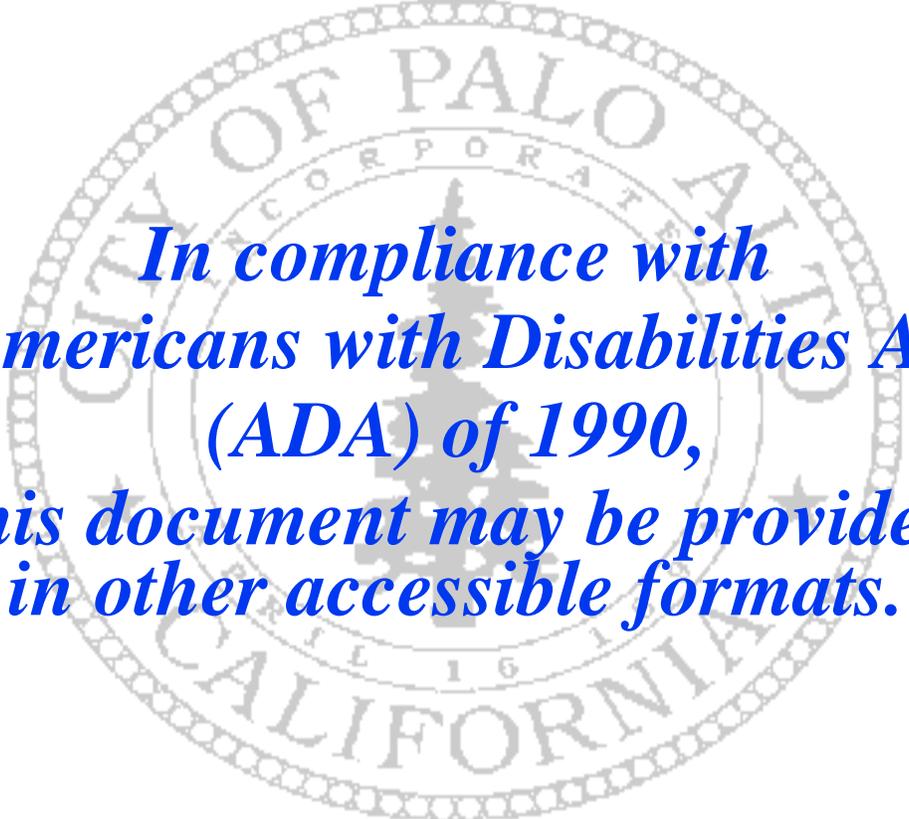
Reimbursements: Interfund transactions that constitute reimbursements to a fund for expenditures or expenses initially made from it but that properly apply to another fund. For example, the Enterprise Funds reimburse the Technology Fund for CIP projects that the Enterprise Funds benefit from.

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.*

For information contact:

Fred Herman
City of Palo Alto
285 Hamilton Avenue
(650) 329-2550
(650) 328-1199 (TDD)