

Capital Improvement Program



The Capital Improvement Program (CIP) consists of projects to maintain and enhance the City/District's infrastructure of roadways, sidewalks, utilities, structures, and facilities for the benefit of the community.

The primary objective of the CIP is to develop and implement projects to ensure continued, reliable delivery of services to meet the City/District's needs. The following is a summary of active projects to be managed during Fiscal Year 2010-2011:

Ongoing Projects:

- **Sanitary Sewer Lift Station Improvements Project (CIP 603)**

This project continues the District's program of maintaining sanitary sewer lift stations and addressing preventative maintenance and upgrades to extend the useful life of the lift stations. Since this program was implemented in FY 1999/2000, seventeen (17) of the District's forty-nine (49) lift

stations have been rehabilitated. Lift Station improvements generally include items of work such as: repairing interior wet wells; installing new pumps, motors, and valves; replacing electrical and telemetry control systems; installing by-pass piping and connections; and replacing corroded components with non-corrosive stainless steel materials.

Funding in the amount of \$4,298,500 has been approved to date. At the July 20, 2009 meeting, the District Board awarded a contract to the firm of Brown and Caldwell for design and construction support services to rehabilitate six (6) lift stations. In addition, the project also includes the replacement of six (6) standby generators, two (2) portable generators, four (4) control cabinets, and the SCADA system. When construction documents are complete, bidding and award for construction will be brought to the District Board for approval in Summer 2010. Construction is expected to take approximately 12 months with project closeout anticipated in 2011.

- **Park Infrastructure Improvements (2008-2009) (CIP 605)**

This project consists of renovations to Dog Park and repairs to park pathways and walkways. The first component is the Dog Park renovation with an allocated budget of \$120,000. Contracts were awarded in the amount of \$82,366 for the following improvements:

- Installation of new synthetic turf to the big dog and little dog areas
- Upgrades to lighting – (3) 15 ft light poles were installed
- Improved drainage, specifically around the drinking fountains

In addition, staff performed the following improvements at Dog Park:

- Installation of an additional picnic table
- Improvements to the entrances
- Production of new signage with clear and concise rules and regulations

The Dog Park renovation was completed on March 14, 2009 with project expenditures totaling \$104,378.

The second component of this CIP provided for repairs to park pathways and walkways at the following parks:

- Arcturus Park
- Boothbay Park
- Edgewater Park
- Erckenbrack Park
- Farragut Park
- Gull Park
- Ketch Park
- Kildeer Park
- Marlin Park
- Port Royal Park

- Recreation Center
- Shad Park
- Sunfish Park
- Turnstone Park.

The scope of work was developed by Parks Maintenance staff. Plans and specifications were authorized for bid by the City Council in July 2009 with the award of a construction contract to Rodan Builders in the amount of \$262,070 at the September 8, 2009 Council meeting.

Pathway repairs and root barrier installations were performed in October and November 2009. Slurry sealing of the pathways and walkways, which is scheduled for Spring 2010 when temperatures are more favorable for this type of work, is the last element of this project. The anticipated project completion is June 2010.

- **Levee/Pedway Improvement and Repairs (formerly CIP 301-798) (CIP 607)**

This project was split off from CIP 798 because the Tennis/Basketball Court Resurfacing component of CIP 798 was completed. The Levee/Pedway Improvement and Repair portion is an ongoing project. This project addresses identified deficiencies along approximately eight miles of the levee pathway system from the City limits north of East Third Ave to portions of the levee pathway along the Marina Lagoon.

The levee pathway repair and preventive maintenance work include the following:

- Adjustment of surface grades in select areas
- Installation of root barriers
- Removal and replacement of failed asphalt

- Seal coating
- Crack sealing
- Asphalt top coating
- Refurbishment of the walking track
- Re-stripping

Staff completed preliminary inspection and evaluation of the levee pedway in November 2007. The inspection of the pedway revealed a number of problems and deficiencies that were not identified when the budget estimate was originally developed. These include areas of the pathway that are in need of repairs due to up-heaving caused by tree roots. These repairs may require tree removal if future damage of the pedway is to be avoided. Some of these trees are privately owned. In addition, private improvements have encroached onto the levee pedway easements. Removal of some of these private improvements may be necessary in order to complete the pathway repair and preventive maintenance work.

The preliminary construction cost estimate to perform repairs and preventive maintenance on the entire levee is approximately \$1.5 to \$2 million. A plan developed by staff includes completion of a boundary survey to clearly identify the encroachment of structures, trees, and landscaping into the City’s easement and property areas with a three-phase approach to construction of the improvements in a clockwise direction starting at East Third Avenue and ending at the southern end of Shell Cove near East Hillsdale Blvd and the San Mateo Slough.

• **Park Infrastructure Improvements (2009-2010) (CIP 608)**

The first component of the CIP was the removal of the planter boxes from the South Parking Lot at the Recreation Center. Eight (8) square “diamond shaped” concrete planter boxes were identified as a safety hazard and were to be removed as the irrigation to these planter boxes was cut and capped with the 1995 renovation of the Recreation Center. Removal of the planter boxes was completed in September 2009 by American Asphalt Company in the amount of \$3,925.

The second component of CIP 608 is the installation of central irrigation computer satellite controllers at identified park locations. Five preliminary park sites were identified for satellite locations. At the December 21, 2009 City Council meeting, City Council authorized the purchase of satellite controllers for the central irrigation system. John Deere Landscapes was awarded a contract in the amount of \$124,585 for the installation of 13 satellite controllers at 10 park sites and one weather station. Park site locations include:

- Boat Park
- Erckenbrack Park
- Farragut Park
- Ketch Park
- Killdeer Park
- Leo Ryan Memorial Park
- Marlin Park
- Recreation Center
- Sunfish Park
- Leo Ryan Park/Teen Center

The Parks Division is developing a schedule with the vendor, John Deere Landscapes Green Technology for the

installation of 13 satellite controllers at 10 park locations and one weather station. Work will begin in February/March 2010. Work at all installation sites should be completed within 6 months.

This component of CIP 608 will help the City achieve the goal of increasing the efficiency of the Parks Division water auditing program and aid in the overall goal of water conservation and budget savings.

- **WWTP Expansion Phase II (CIP 730)**

A contract in the amount of \$25,578,050 for construction of the Dewatering Facility Improvements and Anaerobic Digester Project was awarded to Pacific Mechanical Corporation on February 7, 2005. Notice to Proceed was effective on April 12, 2005 with established construction duration of 730 calendar days. Based on executed change orders, the contract completion date was revised from April 12, 2007 to June 20, 2007. However, based on actual construction progress, the Notice of Completion was accepted by the City of San Mateo's City Council on April 6, 2009. Claims issues are being resolved and project closeout is anticipated by June 2010.

CIP 730 WWTP Expansion Phase II has a total budget of \$9,631,000, which represents the District's 25 percent share of the total project costs. Adequate funding is available for the construction costs, change orders and contract amendments.

- **Sewer System Rehabilitation (Mains, Manholes and Force Mains) (CIP 757)**

This project provides for the repair and rehabilitation of components of the sewer collection system based on assessment by closed circuit televising (CCTV) of the District's sewer mains, manhole inspections, and force main inventory and analysis. PW Maintenance staff has completed the television inspection of the gravity collection system mains throughout the District. The information has been compiled and evaluated to identify sources of inflow and infiltration, pipe deficiencies, and other trouble areas where repair work is required.

As part of this project, Public Works crews replaced approximately 50 of the triangular "Silent Knight" manhole frames and covers in Fall-Winter 2009. The triangular covers present problems because of their shape. Based on estimates received from Contractors, savings of \$20,000 to \$25,000 were achieved by completing this work with City crews.

Staff has also prepared contract documents for the next phase of this project. The Sewer Spot Repair project will utilize open trench construction to remove and replace damaged or broken sections of gravity sewer main in various locations throughout the District. Bidding of this project is scheduled for Spring 2010 with construction to follow in Summer 2010. Subsequent phases of this project will address sanitary sewer force mains, differential settlement problem areas, and repairs using trenchless rehabilitation methods.

- **Follow Up on Bi-annual Caltrans Bridge Inspection (CIP 762)**

This project involves the review of bi-annual Caltrans inspection reports of City owned bridges (Bicentennial, Foster City, Rainbow, and Shell). Caltrans performs these bridge inspections every other year. CSG Consultant Inc. was retained to review and evaluate the Caltrans reports (for 1999, 2001 and 2003) and to prepare a Technical Memorandum (TM) outlining their recommendations and conclusions.

CSG's TM's, completed in 2004 and 2008 concluded that the bridges appear to be in generally good condition with no significant structural problems. The TM's, however, recommended and prioritized a list of maintenance work items. The repair work was originally planned to be performed over a five-year period as systematic preventive maintenance. In 2006, the first repair project was bid. However, the only bid received for this project was significantly higher than the Engineer's Estimate and was rejected. To generate more competitive bidding, it is now planned to combine all repairs into a single larger project.

Nolte Associates, Inc. was retained to design the project and prepare the plans and specifications. The design work is anticipated to be completed in early 2010 with construction to start in Summer 2010.

Projects Completed and Closed Out in FY 2009-2010

- CIP 602 – Synthetic Turf and Park Improvements – Catamaran and Sea Cloud S-3
- CIP 604 – Residential Street Resurfacing & Repair Project
- CIP 606 – Arterial and Collector Overlay Project
- CIP 609 – Water Valve Replacement
- CIP 736 – Catamaran Park Bulkhead Improvements
- CIP 760 – Water Main Condition Survey
- CIP 792 – Lagoon Pump Station Improvements
- CIP 794 – Foster Center Teen Center and Recreational Facilities

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THE CAPITAL IMPROVEMENT PROJECT BUDGETING PROCESS

As part of the City's Annual Budget and Five Year Financial Plan process, the City prepares a Five Year Capital Improvement Project plan. A Capital Improvement Project (or "CIP") is a plan for capital expenditures to provide for the acquisition, expansion or rehabilitation of an element of the City's physical plant to be incurred over a fixed period of several future years. Examples of such projects include:

- Street pavement projects
- City facilities construction / refurbishment
- Park infrastructure improvements (e.g., paving basketball courts, walkway construction or rehabilitation)
- Water valve or pipe replacement
- Sewer Lift Station refurbishment

Because the costs of such improvements are usually significant, the City prepares a Five Year Capital Improvement Project Plan so that it can anticipate future costs and funding strategies for projects.

CIP Planning Process

Identifying CIP Projects

Throughout the fiscal year, City staff members continually monitor the functional status and performance of all of the City's physical plant. Maintenance activities supporting City infrastructure are documented and analyzed to determine if rehabilitation or replacement is necessary. In addition, throughout the year, policy direction from the City Council may be received to construct, enhance or rehabilitate City facilities. Staff makes note of these projects and begins to define the scope, nature and extent of

projects as may be required.

In December of each year, under the direction of the City Manager, staff members assemble to kick-off the Five Year CIP planning process. Updates on CIP projects currently underway are prepared for City Council review in a January study session. Existing projects on the previous year's Five Year CIP Plan are reviewed and updated. Staff also begins the process of formally identifying, for consideration by the City Council, any new CIP's which were not on the list in the previous year.

Cost Estimates

Over the next few months, staff develops a draft CIP Plan. Upon identifying the scope and nature of each project, staff begin to prepare cost estimates of the projects. Projects which come up within the next 1-2 years have detailed engineers' cost estimates prepared for purposes of determining the total cost of the project. Projects which are 3-5 years out have less-detailed cost estimates prepared, but are sufficient in detail to give an overall order-of-magnitude cost estimate for planning purposes. This is performed for both newly identified projects and projects that are being updated from the previous year's Five Year CIP Plan.

The City builds in an inflation factor to cost estimates that are 2-5 years out. Inflation factors can range anywhere from 2% to 10% per year. Assumptions are made based upon the historical trends and future expectations of raw material and labor costs for each project. For example, projects that have significant amounts of steel or oil products may have a high inflationary factor due to the price increases experienced and forecast for those raw materials. On the other hand, projects which entail dirt and sod may yield lower inflationary factors.

Cost estimates also include contingency factors that are based upon historical experience of similar projects and relative uncertainty with respect to the project itself. For example, a construction project built upon ground that is suspected to have hazardous materials may yield a higher contingency factor than a relatively simple replacement of walkways in a park. Staff exercises significant judgment based upon its professional experience in determining both inflationary factors and contingency factors.

Cost Components

Staff develops separate cost components for the design phase and the construction phase of a project, where necessary. For larger projects, the construction phase may also be split into separate components for project identification and manageability. In this way, the costs can be identified based upon the timing for each phase of the project. Cost estimates are then prepared and time-activated based upon each component of the project and as described above.

Funding Sources

Once the costs have been identified and projected, a financial analysis is prepared to determine whether or not the projects can be funded. Consideration is given to a variety of sources of funds, including:

- Grant funds
- Revenues dedicated for such purposes (e.g., Measure A funds for street improvements)
- Water and Sewer revenue rate projections
- Community Development Agency funding
- Existing money available that is not committed to other uses

Development of Five Year Plan

Funding sources are then compared to project cost estimates to

develop the Five Year CIP Plan. The timing of the various projects is taken into consideration given the status of the existing infrastructure, risk management considerations, Council Policy Calendar initiatives, and available funding.

Once the draft plan is created, it is presented to the City Council in a Study Session that is typically held in late March. Council then provides direction on each of the projects within the plan and any changes are incorporated into a revised Five Year CIP Plan. Any updates requiring further discussion are provided once again to the City Council at its May Budget Study Session.

The Council then holds a Public Hearing on the budget, which includes the Five Year CIP Plan, normally the first Monday in June. Subject to any public testimony and final Council direction, the final Five Year CIP Plan is prepared, and the project costs associated with any projects which are funded in the next fiscal year are appropriated by the City Council as part of the adoption of the Annual Budget.

FIVE YEAR CAPITAL IMPROVEMENT PROJECT PLAN (FISCAL YEAR 2010-2011 TO 2014-2015)

Category	NO.	PROJECT NAME	Funding Source*	TOTAL - Not Including Prior Years	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
WASTEWATER COLLECTION SYSTEM PROJECTS									
A	1	(NEW CIP) SEWER SYSTEM REHABILITATION – FORCE MAINS, GRAVITY MAINS & MANHOLES (2010-2011 to 2011-2012)	CS	\$800,000	\$150,000	\$650,000			
TOTAL WASTEWATER COLLECTION SYSTEM PROJECTS			1	\$800,000	\$150,000	\$650,000	\$0	\$0	\$0
WATER PROJECTS									
A	2	(NEW CIP) WATER MAIN CONDITION SURVEY (2010-2011)	CW	\$200,000	\$200,000				
TOTAL WATER PROJECTS			1	\$200,000	\$200,000	\$0	\$0	\$0	\$0
STREETS/TRAFFIC PROJECTS									
A	3	(NEW CIP) MULTI-PROJECT ROADWAY IMPROVEMENTS (2010-2011 and 2011-2012)	MPTM	\$2,877,000	\$300,000	\$2,577,000			
A	4	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2010-2011)	MA, P42	\$825,000	\$825,000				
A	5	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2011-2012)	MA	\$865,000		\$865,000			
A	6	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2012-2013)	MA, P1B	\$900,000			\$900,000		
A	7	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2013-2014)	MA	\$950,000				\$950,000	
A	8	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2014-2015)	MA	\$1,000,000					\$1,000,000
TOTAL STREETS/TRAFFIC PROJECTS			6	\$7,417,000	\$1,125,000	\$3,442,000	\$900,000	\$950,000	\$1,000,000
STORMWATER/LAGOON PROJECTS									
NONE									
TOTAL STORMWATER/LAGOON PROJECTS			0	\$0	\$0	\$0	\$0	\$0	\$0
PARKS PROJECTS									
C	9	(CIP 607) LEVEE PEDWAY IMPROVEMENTS AND REPAIR (2010-2011 to 2011-2012)	CC	\$1,250,000	\$625,000	\$625,000			
C	10	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2010-2011)	CC	\$210,000	\$210,000				
C	11	(NEW CIP) CATAMARAN PARK WOODEN BULKHEAD PRESERVATION (2011-2012)	CC	\$120,000		\$120,000			
C	12	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2011-2012)	CC	\$400,000		\$400,000			
C	13	(NEW CIP) SEA CLOUD S-4 – SYNTHETIC TURF PARK IMPROVEMENTS (2012-2013)	CC, PIL	\$1,580,000			\$1,580,000		
C	14	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2012-2013)	CC	\$160,000			\$160,000		
C	15	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2013-2014)	CC	\$125,000				\$125,000	
C	16	(NEW CIP) LEVEE PARK ("DESTINATION PARK") PARK IMPROVEMENTS (2013-2014)	PIL	\$450,000				\$450,000	
C	17	(NEW CIP) LANDSCAPED CUL-DE-SACS PARK IMPROVEMENTS (2014-2015)	CC	\$650,000					\$650,000
TOTAL PARKS PROJECTS			9	\$4,945,000	\$835,000	\$1,145,000	\$1,740,000	\$575,000	\$650,000
BUILDING PROJECTS									
NONE									
TOTAL BUILDING PROJECTS			0	\$0	\$0	\$0	\$0	\$0	\$0
GRAND TOTAL			17	\$13,362,000	\$2,310,000	\$5,237,000	\$2,640,000	\$1,525,000	\$1,650,000

* CC=CIP City, MA=Measure A, PIL=Park-in-Lieu Fees, MPTM=Multi-Project Traffic Mitigation Contributions CS=CIP Sewer, CW=CIP Water, P1B = Proposition 1B, P42 = Proposition 42

**TABLE A
FIVE YEAR CAPITAL IMPROVEMENT PROJECT PLAN (FY 2010-2011 TO FY 2014-2015)**

Project No.	PROJECT DESCRIPTION		TOTAL
CATEGORY A PROJECTS			
1	(NEW CIP) SEWER SYSTEM REHABILITATION – FORCE MAINS, GRAVITY MAINS & MANHOLES (2010-2011 to 2011-2012)	\$800,000	
2	(NEW CIP) WATER MAIN CONDITION SURVEY (2010-2011)	\$200,000	
3	(NEW CIP) MULTI-PROJECT ROADWAY IMPROVEMENTS (2010-2011 and 2011-2012)	\$2,877,000	
4	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2010-2011)	\$825,000	
5	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2011-2012)	\$865,000	
6	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2012-2013)	\$900,000	
7	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2013-2014)	\$950,000	
8	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2014-2015)	\$1,000,000	
		Subtotal for Category A Projects	\$8,417,000
CATEGORY B PROJECTS			
	NONE		
		Subtotal for Category B Projects	\$0
CATEGORY C PROJECTS			
9	(CIP 607) LEVEE PEDWAY IMPROVEMENTS AND REPAIR (2010-2011 to 2011-2012)	\$1,250,000	
10	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2010-2011)	\$210,000	
11	(NEW CIP) CATAMARAN PARK WOODEN BULKHEAD PRESERVATION (2011-2012)	\$120,000	
12	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2011-2012)	\$400,000	
13	(NEW CIP) SEA CLOUD S-4 – SYNTHETIC TURF PARK IMPROVEMENTS (2012-2013)	\$1,580,000	
14	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2012-2013)	\$160,000	
15	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2013-2014)	\$125,000	
16	(NEW CIP) LEVEE PARK ("DESTINATION PARK") PARK IMPROVEMENTS (2013-2014)	\$450,000	
17	(NEW CIP) LANDSCAPED CUL-DE-SACS PARK IMPROVEMENTS (2014-2015)	\$650,000	
		Subtotal for Category C Projects	\$4,945,000
GRAND TOTAL			\$13,362,000

**TABLE B
FIVE YEAR CAPITAL IMPROVEMENT PROJECT PLAN (FY 2010-2011 to 2014-2015)**

No.	DESCRIPTION	CIP - CITY*	Foster City Foundation	GAS TAX (7380)	MEASURE A	PARK-IN-LIEU FEES	PROP 42 TRANS.	PROP 1B TRANS.	MULTI-PROJECT TRAFFIC MITIGATION	CIP WATER	CIP SEWER	TOTAL	No.
	Funds Available for CIP Projects	\$4,698,500 (1)	\$0	\$0	\$2,249,900	\$0	\$41,000	\$0	\$0	\$2,971,700	\$2,296,000	\$12,257,100	
	Revenue Projections (2)	\$750,000	\$73,500	\$1,405,000	\$2,217,000	\$5,993,900	\$0	\$450,000	\$3,404,000	\$3,720,800	\$6,528,900	\$24,543,100	
	Fund Transfers	\$6,067,400 (3)	(\$73,500) (4)	\$0	\$0	(\$5,993,900)	\$0	\$0	\$0	\$0	\$0	\$0	
	Total Available	\$11,515,900	\$0	\$1,405,000	\$4,466,900	\$0	\$41,000	\$450,000	\$3,404,000	\$6,692,500	\$8,824,900	\$36,800,200	
CATEGORY A PROJECTS													
1	(NEW CIP) SEWER SYSTEM REHABILITATION – FORCE MAINS, GRAVITY MAINS & MANHOLES (2010-2011 to 2011-2012)										\$800,000	\$800,000	1
2	(NEW CIP) WATER MAIN CONDITION SURVEY (2010-2011)									\$200,000		\$200,000	2
3	(NEW CIP) MULTI-PROJECT ROADWAY IMPROVEMENTS (2010-2011 and 2011-2012)								\$2,877,000			\$2,877,000	3
4	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2010-2011)				\$784,000		\$41,000					\$825,000	4
5	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2011-2012)				\$865,000							\$865,000	5
6	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2012-2013)				\$450,000			\$450,000				\$900,000	6
7	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2013-2014)				\$950,000							\$950,000	7
8	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2014-2015)				\$1,000,000							\$1,000,000	8
	SUB TOTAL OF CATEGORY A PROJECTS	\$0	\$0	\$0	\$4,049,000	\$0	\$41,000	\$450,000	\$2,877,000	\$200,000	\$800,000	\$8,417,000	
	FUNDS AVAIL. (LESS CATEGORY A PROJECTS)	\$11,515,900	\$0	\$1,405,000	\$417,900	\$0	\$0	\$0	\$527,000	\$6,492,500	\$8,024,900	\$28,383,200	
CATEGORY B PROJECTS													
	NONE						\$0					\$0	
	SUB TOTAL OF CATEGORY B PROJECTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	FUNDS AVAIL. (LESS CATEGORY A AND B PROJECTS)	\$11,515,900	\$0	\$1,405,000	\$417,900	\$0	\$0	\$0	\$527,000	\$6,492,500	\$8,024,900	\$28,383,200	
CATEGORY C PROJECTS													
9	(CIP 607) LEVEE PEDWAY IMPROVEMENTS AND REPAIR (2010-2011 to 2011-2012)	\$1,250,000										\$1,250,000	9
10	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2010-2011)	\$210,000										\$210,000	10
11	(NEW CIP) CATAMARAN PARK WOODEN BULKHEAD PRESERVATION (2011-2012)	\$120,000										\$120,000	11
12	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2011-2012)	\$400,000										\$400,000	12
13	(NEW CIP) SEA CLOUD S-4 – SYNTHETIC TURF PARK IMPROVEMENTS (2012-2013)	\$1,580,000 (5)										\$1,580,000	13
14	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2012-2013)	\$160,000										\$160,000	14
15	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2013-2014)	\$125,000										\$125,000	15
16	(NEW CIP) LEVEE PARK ("DESTINATION PARK") PARK IMPROVEMENTS (2013-2014)	\$450,000 (5)										\$450,000	16
17	(NEW CIP) LANDSCAPED CUL-DE-SACS PARK IMPROVEMENTS (2014-2015)	\$650,000										\$650,000	17
	SUB TOTAL OF CATEGORY C PROJECTS	\$4,945,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,945,000	
	FUNDS AVAIL. (LESS CATEGORY A, B, AND C PROJECTS)	\$6,570,900	\$0	\$1,405,000	\$417,900	\$0	\$0	\$0	\$527,000	\$6,492,500	\$8,024,900	\$23,438,200	

- (1) Funds Available include \$2.0M Emerg. Reserve for CIP City
(2) Includes Interest Earnings.
(3) Transfers include \$73,500 from the Foster City Foundation (see #4 below) and Park-In-Lieu fees of \$5,993,900 (see #5 below)
(4) Grants totalling \$490,000 are expected to be received from the Foster City AYSO and PYSC youth soccer league organizations towards the Synthetic Turf projects at Catamaran Park and Sea Cloud Park S-3. \$416,500 has or will be received by June 30, 2010 with the balance of \$73,500 expected over the next three (3) fiscal years. As funds are received, they will be transferred back to the City CIP fund which advanced the funds in FY 2007-2008.
(5) The funding and timing of these projects will be based upon availability of Park-In-Lieu fees from development after reimbursement of costs (\$2,100,000) associated with the Synthetic Turf Park Improvements

**TABLE C
CAPITAL IMPROVEMENT PROJECT (CIP) PLAN (FISCAL YEAR 2010-2011)**

PROJECT NAME	Funding Source*	Total Project Cost	Prior Years' Funding	FY 2010-2011 Funding	Funding Sources					
					City Capital Investment	Measure A	Proposition 42	Multi-Project Traffic Mitigation	Water Capital Investment	Sewer Capital Investment
SEWER PROJECTS										
(NEW CIP) SEWER SYSTEM REHABILITATION – FORCE MAINS, GRAVITY MAINS & MANHOLES (2010-2011 to 2011-2012)	CS	\$ 150,000	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
TOTAL SEWER PROJECTS	1	\$ 150,000	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
WATER PROJECTS										
(NEW CIP) WATER MAIN CONDITION SURVEY (2010-2011)	CW	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -
TOTAL WATER PROJECTS	1	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -
STREETS/TRAFFIC PROJECTS										
(NEW CIP) MULTI-PROJECT ROADWAY IMPROVEMENTS (2010-2011 and 2011-2012)	MPTM	\$ 300,000	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -
(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2010-2011)	MA, P42	\$ 825,000	\$ -	\$ 825,000	\$ -	\$ 784,000	\$ 41,000	\$ -	\$ -	\$ -
TOTAL STREETS/TRAFFIC PROJECTS	2	\$ 1,125,000	\$ -	\$ 1,125,000	\$ -	\$ 784,000	\$ 41,000	\$ 300,000	\$ -	\$ -
STORMWATER/LAGOON PROJECTS										
NONE										
TOTAL STORMWATER/LAGOON PROJECTS	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PARKS PROJECTS										
(CIP 607) LEVEE PEDWAY IMPROVEMENTS AND REPAIR (2010-2011 to 2011-2012)	CC	\$ 1,575,000	\$ 950,000	\$ 625,000	\$ -	\$ 625,000	\$ -	\$ -	\$ -	\$ -
(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2010-2011)	CC	\$ 210,000	\$ -	\$ 210,000	\$ 210,000	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL PARKS PROJECTS	2	\$ 1,785,000	\$ 950,000	\$ 835,000	\$ 210,000	\$ 625,000	\$ -	\$ -	\$ -	\$ -
BUILDING PROJECTS										
NONE										
TOTAL BUILDING PROJECTS	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GRAND TOTAL	6	\$ 3,260,000	\$ 950,000	\$ 2,310,000	\$ 210,000	\$ 1,409,000	\$ 41,000	\$ 300,000	\$ 200,000	\$ 150,000

* CC=CIP City; MA=Measure A; MPTM=Multi-Project Traffic Mitigation; CS=CIP Sewer; CW=CIP Water

**TABLE D
ACTIVE AND PROPOSED CIP'S THROUGH FY 2014-2015**

ACTIVE PROJECT	DESCRIPTION	FY AUTH	PRIOR YEARS BUDGET AND ADJUSTMENT	CURRENT YEAR BUDGET AND ADJUSTMENT (2009-2010)	TOTAL APPROVED BUDGET AND ADJUSTMENT	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	ESTIMATED TOTAL PROJECT BUDGET
455-603	SANITARY SEWER LIFT STATION IMPROVEMENTS	08/09	\$ 998,000	\$ 3,300,000	\$ 4,298,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,298,000
301-605	PARK INFRASTRUCTURE IMPROVEMENTS	08/09	\$ 370,000	\$ 25,270	\$ 395,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 395,270
301-607	(CIP 607) LEVEE PEDWAY IMPROVEMENTS AND REPAIR (2010-2011 to 2011-2012)	06/07	\$ 250,000	\$ 700,000	\$ 950,000	\$ 625,000	\$ 625,000	\$ -	\$ -	\$ -	\$ 2,200,000
301-608	PARK INFRASTRUCTURE IMPROVEMENTS	09/10	\$ -	\$ 210,000	\$ 210,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 210,000
455-730	WWTP EXPANSION PHASE II - SOLIDS HANDLING FACILITY	98/99	\$ 9,631,000	\$ -	\$ 9,631,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,631,000
455-757	SEWER SYSTEM REHABILITATION	00/01	\$ 630,000	\$ -	\$ 630,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 630,000
301-762	FOLLOW-UP ON BI-ANNUAL CALTRANS BRIDGE INSPECTIONS	00/01	\$ 230,000	\$ 535,000	\$ 765,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 765,000
NEW CIP	(NEW CIP) SEWER SYSTEM REHABILITATION – FORCE MAINS, GRAVITY MAINS & MANHOLES (2010-2011 to 2011-2012)	10/11	\$ -	\$ -	\$ -	\$ 150,000	\$ 650,000	\$ -	\$ -	\$ -	\$ 800,000
NEW CIP	(NEW CIP) WATER MAIN CONDITION SURVEY (2010-2011)	10/11	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000
NEW CIP	(NEW CIP) MULTI-PROJECT ROADWAY IMPROVEMENTS (2010-2011 and 2011-2012)	10/11	\$ -	\$ -	\$ -	\$ 300,000	\$ 2,577,000	\$ -	\$ -	\$ -	\$ 2,877,000
NEW CIP	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2010-2011)	10/11	\$ -	\$ -	\$ -	\$ 825,000	\$ -	\$ -	\$ -	\$ -	\$ 825,000
NEW CIP	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2011-2012)	11/12	\$ -	\$ -	\$ -	\$ -	\$ 865,000	\$ -	\$ -	\$ -	\$ 865,000
NEW CIP	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2012-2013)	12/13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000	\$ -	\$ -	\$ 900,000
NEW CIP	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2013-2014)	13/14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 950,000	\$ -	\$ 950,000
NEW CIP	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2014-2015)	14/15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000
NEW CIP	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2010-2011)	10/11	\$ -	\$ -	\$ -	\$ 210,000	\$ -	\$ -	\$ -	\$ -	\$ 210,000
NEW CIP	(NEW CIP) CATAMARAN PARK WOODEN BULKHEAD PRESERVATION (2011-2012)	11/12	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ -	\$ -	\$ -	\$ 120,000
NEW CIP	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2011-2012)	11/12	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000
NEW CIP	(NEW CIP) SEA CLOUD S-4 – SYNTHETIC TURF PARK IMPROVEMENTS (2012-2013)	12/13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,580,000	\$ -	\$ -	\$ 1,580,000
NEW CIP	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2012-2013)	12/13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 160,000	\$ -	\$ -	\$ 160,000
NEW CIP	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2013-2014)	13/14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ 125,000
NEW CIP	(NEW CIP) LEVEE PARK ("DESTINATION PARK") PARK IMPROVEMENTS (2013-2014)	13/14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000	\$ -	\$ 450,000
NEW CIP	(NEW CIP) LANDSCAPED CUL-DE-SACS PARK IMPROVEMENTS (2014-2015)	14/15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ 650,000
	TOTAL		\$ 12,109,000	\$ 4,770,270	\$ 16,879,270	\$ 2,310,000	\$ 5,237,000	\$ 2,640,000	\$ 1,525,000	\$ 1,650,000	\$ 30,241,270

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CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

SEWER SYSTEM REHABILITATION – FORCE MAINS, GRAVITY MAINS & MANHOLES (2010-2011 to 2011-2012)

Funding	Funding Sources	
	CIP Sewer	Total
2010-2011	150,000	150,000
2011-2012	650,000	650,000
2012-2013	-	-
2013-2014	-	-
2014-2015	-	-
Total	800,000	800,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011	120,000	-	-	120,000
2011-2012	495,250	5%	24,800	520,050
2012-2013	-	10%	-	-
2013-2014	-	15%	-	-
2014-2015	-	20%	-	-
Subtotal	615,250		24,800	640,050
Contingency 25%	153,800		6,200	160,000
Totals	769,050		31,000	800,050

phase of the project will address localized pipe repair and manhole rehabilitation work that have been identified.

Video recording of the system will continue to be collected and project reports prepared to identify repair and rehabilitation projects to extend the useful life of the sewer mains and manholes throughout the District's collection system. Problem areas to be evaluated and addressed by this project include:

- Areas of the gravity collection system where differential settlement has caused grade variations or sags within the pipelines. These sags exacerbate the deposit of grease and debris resulting in the need for more frequent maintenance.
- Repairs to various force mains have been required in recent years. A force main study is needed to inspect and evaluate the condition of force mains throughout the District's service area. A Request for Proposal to evaluate force mains will be prepared and issued in 2010.

PROJECT PRIORITY CATEGORY: APROJECT DESCRIPTION:

This project is part of a multi-phase program to assess the condition and perform repairs to the sanitary collection system. Public Works Maintenance staff has completed the television inspection of the gravity collection mains throughout the District. The inspections completed to date show that the system is in generally good condition although corrosion damage and repair/rehabilitation work is required at some locations. The first

ESTIMATED PROJECT SCHEDULE:

Preliminary Design and Compiling of Repair/Rehabilitation Locations	FY 2010-2011
Project Design	FY 2011-2012
Construction	Summer/Fall 2012

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WATER MAIN CONDITION SURVEY (2010-2011)

Funding	Funding Sources	
	CIP Water	Total
2010-2011	200,000	200,000
2011-2012	-	-
2012-2013	-	-
2013-2014	-	-
2014-2015	-	-
Total	200,000	200,000

Expenditures	Expenditure Categories				Total
	Design and CM	Construction	Inflation %	Inflation Escalation	
2010-2011	200,000	-	-	-	200,000
2011-2012	-	-	5%	-	-
2012-2013	-	-	10%	-	-
2013-2014	-	-	15%	-	-
2014-2015	-	-	20%	-	-
Subtotal	200,000	-	-	-	200,000
<i>Contingency</i>					
Design	10%	-	-	-	-
Construct.	25%	-	-	-	-
Totals	200,000	-	-	-	200,000

PROJECT PRIORITY CATEGORY: APROJECT DESCRIPTION:

This project provides for the subsequent surveying and monitoring of the 24-inch transmission main following the Phase I condition assessment and Phase II improvements completed under CIP 760.

Phase II improvements included the replacement of various existing gate valves and air release valves, and installation of cathodic protection test stations to monitor the main as the system ages. Phase II improvements also included the construction of entry points along the 24-inch transmission main to inspect and monitor the condition of the interior of the pipeline. Phase II work was completed in Summer 2009.

Although initial surveys indicate that the transmission main is in good condition, this project will allow staff to investigate the interior walls of the main for the majority of its 4-mile length. It is anticipated that inspections of the interior of the pipeline would be performed by inserting television cameras through the access points constructed along the pipeline as part of the Phase II work. A budget of \$200,000 is proposed in FY 2010-2011 to provide for subsequent investigations and assessment work.

Staff will investigate the current technologies available to perform internal pipeline investigation and develop an RFP for issuance in Summer 2010 to contract with a firm to perform the inspections for obtaining additional information regarding the condition of the pipeline.

Based on the results of the survey, any additional construction costs would be identified at that time.

ESTIMATED PROJECT SCHEDULE:

Investigation and Condition Assessment

FY 2010-2011

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

MULTI-PROJECT ROADWAY IMPROVEMENTS (2010-2011)

Funding Sources		
Funding	Multi-Project Traffic Mitigation Contributions	Total
2010-2011	300,000	300,000
2011-2012	2,577,000	2,577,000
2012-2013	-	-
2013-2014	-	-
2014-2015	-	-
Total	2,877,000	2,877,000

Expenditure Categories				
Expenditures	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011	300,000		-	300,000
2011-2012	2,455,000	5%	122,800	2,577,800
2012-2013	-	10%	-	-
2013-2014	-	15%	-	-
2014-2015	-	20%	-	-
Subtotal	2,755,000		122,800	2,877,800
Contingency 25%	-		-	-
Totals	2,755,000		122,800	2,877,800

PROJECT PRIORITY CATEGORY: APROJECT DESCRIPTION:

Based on traffic analysis performed to determine the traffic-related impacts associated with several major proposed developments, various roadway improvements were identified to mitigate the traffic-related impacts. The cost of the roadway improvements will be borne by the project applicants for the following proposed developments:

- Pilgrim-Triton Master Plan
- Gilead Sciences Corporate Campus Master Plan

- Mirabella San Francisco/Parkview Plaza
- Chess Drive Offices

The improvements will be grouped to accommodate the anticipated schedule of the various developments.

ESTIMATED PROJECT SCHEDULE:

A Request for Proposal for design and construction support services has been issued and proposals have been reviewed and evaluated. An agreement for design services is anticipated to be executed by May 2010 with design to commence shortly thereafter.

The Five-Year Financial Plan assumes that the Pilgrim-Triton and Gilead Sciences projects will commence in FY 2010-2011, and that the associated traffic mitigation improvements negotiated as part of the respective development agreements will be paid by the developers. The projects assumed for construction in this project include:

- #1 – Widen SR 92 Westbound On-Ramp at Chess Drive
- #2 – Install Signal Interlock (Foster City Blvd/Chess Drive & Chess Drive/SR 92)
- #5 – Widen Triton Drive and Modify Signal at Foster City Blvd / Triton Drive
- #10 – Close Driveway on Chess Drive at SR 92

The remaining projects will be deferred until which time development agreements are negotiated with the respective developers.

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

RESIDENTIAL STREET RESURFACING AND REPAIR (2010-2011)

Funding	Funding Sources		
	Prop. 42	Measure A	Total
2010-2011	41,000	784,000	825,000
2011-2012	-	-	-
2012-2013	-	-	-
2013-2014	-	-	-
2014-2015	-	-	-
Total	41,000	784,000	825,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011	660,000		-	660,000
2011-2012	-	5%	-	-
2012-2013	-	10%	-	-
2013-2014	-	15%	-	-
2014-2015	-	20%	-	-
Subtotal	660,000		-	660,000
Contingency 25%	165,000		-	165,000
Totals	825,000		-	825,000

PROJECT PRIORITY CATEGORY: APROJECT DESCRIPTION:

This project is part of the City's ongoing maintenance program for the public street system. To implement the street maintenance and rehabilitation program in the most cost-effective manner, a Pavement Management Program (PMP) analysis program is utilized. A re-inspection of selected streets was completed in December 2008 and the data used to update the PMP street condition database. The updating of the street inspection database is completed approximately every two

years. The streets selected for each year's project are determined primarily through the PMP computer-modeling program analyses. The program also helps determine the most cost-effective treatment to extend the life of a section of roadway.

This project will provide for the repair of identified streets within residential areas of the City. Funding for this project is proposed every other year over the next five year period. Funding available for each year's project will also be used to address deficiencies in the pavement, curb & gutter, and sidewalk in certain areas of the City. The normal repair methods employed, in order of ascending costs, are: crack seal; slurry seal; dig-out repairs and surface overlays. Funding for this project will be provided through Proposition 42 and Measure A funds.

ESTIMATED PROJECT SCHEDULE:**Street Resurfacing & Repair**

Project Design – In-house
Construction

FY 2010-2011
Summer 2011

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ARTERIAL AND COLLECTOR OVERLAY PROJECT (2011-2012)

Funding	Funding Sources	
	Measure A	Total
2010-2011	-	-
2011-2012	865,000	865,000
2012-2013	-	-
2013-2014	-	-
2014-2015	-	-
Total	- 865,000	865,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011	-	-	-	-
2011-2012	660,000	5%	33,000	693,000
2012-2013	-	10%	-	-
2013-2014	-	15%	-	-
2014-2015	-	20%	-	-
Subtotal	660,000		33,000	693,000
Contingency 25%	165,000		8,300	173,300
Totals	825,000		41,300	866,300

As part of the City's ongoing maintenance program for the public street system, resurfacing and repair of public arterial and collector streets is critical. This project complements the Residential Street Resurfacing and Repair project which targets primarily residential streets and focuses on slurry seals.

The intent of this project is to maximize the use of available federal and state transportation grant funding to address the resurfacing needs of arterial and collector streets. The federal government has re-authorized the SAFETEA transportation funding program. Future multi-year funding is proposed to assure availability of local matching funds to maximize grant eligibilities. Funding for the local share of the Arterial Overlay Project will be provided from local Measure A revenues.

ESTIMATED PROJECT SCHEDULE:

Project Design – In-house
Construction

FY 2011-2012
Summer 2012

PROJECT PRIORITY CATEGORY: A

PROJECT DESCRIPTION:

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

RESIDENTIAL STREET RESURFACING AND REPAIR (2012-2013)

Funding	Funding Sources		
	Measure A	Prop. 1B	Total
2010-2011	-	-	-
2011-2012	-	-	-
2012-2013	450,000	450,000	900,000
2013-2014	-	-	-
2014-2015	-	-	-
Total	450,000	450,000	900,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011	-	-	-	-
2011-2012	-	5%	-	-
2012-2013	655,000	10%	65,500	720,500
2013-2014	-	15%	-	-
2014-2015	-	20%	-	-
Subtotal	655,000		65,500	720,500
Contingency 25%	163,800		16,400	180,200
Totals	818,800		81,900	900,700

PROJECT PRIORITY CATEGORY: A

PROJECT DESCRIPTION:

This project is part of the City's ongoing maintenance program for the public street system. To implement the street maintenance and rehabilitation program in the most cost-effective manner, a Pavement Management Program (PMP) analysis program is utilized. An inspection of selected streets was completed in December 2008 and the data used to update the PMP street condition database. The updating of the street inspection database is completed approximately every two years. The streets selected for each year's project are

determined primarily through the PMP computer-modeling program analyses. The program also helps determine the most cost-effective treatment to extend the life of a section of roadway.

This project will provide for the repair of identified streets in residential areas of the City. Funding for this project is proposed every other year over the next five year period. Funding available for each year's project will also be used to address deficiencies in the pavement, curb & gutter, and sidewalk in select areas of the City. The normal repair methods employed, in order of ascending costs, are: crack seal; slurry seal; dig-out repairs and surface overlays. Funding for this project will be provided by Measure A and State Proposition 1B funds.

ESTIMATED PROJECT SCHEDULE:

Street Resurfacing & Repair

Project Design – In-house
Construction

FY 2012-2013
Summer 2013

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ARTERIAL AND COLLECTOR OVERLAY PROJECT (2013-2014)

Funding	Funding Sources		Total
	Measure A		
2010-2011	-	-	-
2011-2012	-	-	-
2012-2013	-	-	-
2013-20114	-	950,000	950,000
2014-2015	-	-	-
Total	-	950,000	950,000

Expenditures	Expenditure Categories			Total
	Estimated Project Cost	Inflation %	Inflation Escalation	
2010-2011	-	-	-	-
2011-2012	-	5%	-	-
2012-2013	-	10%	-	-
2013-2014	660,000	15%	99,000	759,000
2014-2015	-	20%	-	-
Subtotal	660,000		99,000	759,000
Contingency	25%	165,000	24,800	189,800
Totals	825,000		123,800	948,800

PROJECT PRIORITY CATEGORY: A

PROJECT DESCRIPTION:

As part of the City's ongoing maintenance program for the public street system, resurfacing and repair of public arterial and collector streets is essential. This project complements the Residential Street Resurfacing and Repair project, which targets primarily residential streets and focuses on slurry seals.

The intent of this project is to maximize the use of available federal and state transportation grant funding to address the resurfacing needs of arterial and collector streets. Future multi-year funding is proposed to assure availability of local matching funds to maximize grant eligibilities. Funding for the local share of the Arterial Overlay Project will be provided from local Measure A revenues.

ESTIMATED PROJECT SCHEDULE:

Project Design – In-house	Fall/Winter 2013-2014
Construction	Summer 2014

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

RESIDENTIAL STREET RESURFACING AND REPAIR (2014-2015)

Funding	Funding Sources	
	Measure A	Total
2010-2011	-	-
2011-2012	-	-
2012-2013	-	-
2013-2014	-	-
2014-2015	1,000,000	1,000,000
Total	1,000,000	1,000,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011	-	-	-	-
2011-2012	-	5%	-	-
2012-2013	-	10%	-	-
2013-2014	-	15%	-	-
2014-2015	665,000	20%	133,000	798,000
Subtotal	665,000		133,000	798,000
Contingency 25%	166,300		33,300	199,600
Totals	831,300		166,300	997,600

PROJECT PRIORITY CATEGORY: A

PROJECT DESCRIPTION:

This project is part of the City's ongoing maintenance program for the public street system. To implement the street maintenance and rehabilitation program in the most cost-effective manner, a Pavement Management Program (PMP) analysis program is utilized. A re-inspection of selected streets was completed in December 2008 and the data used to update the PMP street condition database. The updating of the street inspection database is completed approximately every two years. The streets selected for each year's project are

determined primarily through the PMP computer-modeling program analyses. The program also helps determine the most cost-effective treatment to extend the life of a section of roadway.

This project will provide for the repair of identified streets within residential areas of the City. Funding for this project is proposed every other year over the next five year period. Funding available for each year's project will also be used to address deficiencies in the pavement, curb & gutter, and sidewalk in certain areas of the City. The normal repair methods employed, in order of ascending costs, are: crack seal; slurry seal; dig-out repairs and surface overlays. Funding for this project will be provided by Measure A funds.

ESTIMATED PROJECT SCHEDULE:

Street Resurfacing & Repair

Project Design – In-house
Construction

FY 2014-2015
Summer 2015

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

LEVEE/PEDWAY IMPROVEMENTS AND REPAIRS (2009-2010 TO 2011-2012)

Funding	Funding Sources	
	CIP City	Total
2010-2011	625,000	625,000
2011-2012	625,000	625,000
2012-2013	-	-
2013-2014	-	-
2014-2015	-	-
Total	- 1,250,000	- 1,250,000

Expenditures	Expenditure Categories			Total
	Estimated Project Cost	Inflation %	Inflation Escalation	
2010-2011	500,000		-	500,000
2011-2012	475,000	5%	23,800	498,800
2012-2013	-	10%	-	-
2013-2014	-	15%	-	-
2014-2015	-	20%	-	-
Subtotal	975,000		23,800	998,800
Contingency 25%	243,800		6,000	249,800
Totals	1,218,800		29,800	1,248,600

- Seal coating
- Crack sealing
- Asphalt top coating
- Refurbishment of the walking track
- Adjustment of surface grades in select areas

The project is estimated to be \$2,150,000. With \$250,000 included in the FY 2006/2007 budget and \$700,000 proposed in FY 2009-2010, additional funding in the amount of \$1,250,000 is required.

\$100,000 was expended for the completion of a boundary survey and other preliminary design work. \$600,000 is estimated for the construction of Phase I, which includes the preventive maintenance and repair work for the levee pedway from the City limit on East Third Avenue to Foster City Blvd/Beach Park Blvd.

Phase II of the project would include the section from Foster City Blvd./Beach Park Blvd to the west end of the Lantern Cove development, while Phase III would include the area between the west end of Lantern Cove and the south end of Shell Cove. The total for Phase II and III is estimated to be \$1,250,000. Phase II is programmed for FY 2010-2011 with Phase III programmed for FY 2011-2012.

Staff completed preliminary inspection and evaluation of the levee pedway in November 2007. The inspection revealed a number of problems and deficiencies that were not identified when the original budget estimate was developed. These problems include tree root damage, pathway settlement, and private improvements that may be encroaching onto the levee pedway easement areas.

PROJECT PRIORITY CATEGORY: C

PROJECT DESCRIPTION

Maintenance of the levee pedway performed in 2001 included applying top coating, slurry sealing, and line striping of the asphalt. The levee pedway is a heavily used recreational amenity and several areas are showing significant wear. Maintenance items that are necessary to keep the pedway in good condition include:

- Installation of root barriers
- Removal and replacement of failed asphalt

A revised plan for prioritizing, scheduling, and funding the pedway improvements is presently being developed by staff. A boundary survey identifying encroachment of private structures, trees, and landscaping into the City's easements for the levee pedway has been completed.

Plans and Specifications for Phase I have been completed and bids were opened in January 2010. Construction is anticipated to begin by Summer 2010.

ESTIMATED PROJECT SCHEDULE

Survey	FY 2009-2010 - Completed
Phase I Construction	FY 2009-2010 – In Progress
Phase II Construction	FY 2010-2011
Phase III Construction	FY 2011-2012

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PARK INFRASTRUCTURE IMPROVEMENTS (2010-2011)

Funding	Funding Sources			Total
	CIP City			
2010-2011	-	210,000	-	210,000
2011-2012	-	-	-	-
2012-2013	-	-	-	-
2013-2014	-	-	-	-
2014-2015	-	-	-	-
Total		210,000		210,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011	175,000	0%	-	175,000
2011-2012	-	5%	-	-
2012-2013	-	10%	-	-
2013-2014	-	15%	-	-
2014-2015	-	20%	-	-
Subtotal	175,000		-	175,000
Contingency 20%	35,000		-	35,000
Totals	210,000		-	210,000

PROJECT PRIORITY CATEGORY: C

PROJECT DESCRIPTION

1. **Tennis Court Resurfacing - \$100,000.** Resurfacing of tennis courts should typically be performed every five to seven years. As courts are played on, asphalt surfaces become cracked and worn and painted lines fade. Resurfacing helps restore the courts to a more playable condition. This also includes all patching and painting of lines. Eight (8) tennis courts scheduled for repair include (date of last resurfacing is shown below):

- a. Boothbay Park - 4 tennis courts (2003)
- b. Leo Ryan Park - 4 tennis courts (2003)

2. **Basketball Court Resurfacing - \$50,000.** The surfaces show considerable signs of wear and cracking. Court surfaces are re-surfaced to ensure that they are safe to play on and aesthetically pleasing. By using an overlay system the courts are level, smoother, and safer to play on. Basketball court resurfacing takes place every five to seven years based upon an evaluation of each court. The total costs include all resurfacing and painting of lines. Four (4) basketball courts scheduled for repair include (date of last resurfacing is shown below):

- a. Shad Park -1 basketball court (2003)
- b. Sunfish Park - 1 basketball court (2003)
- c. Port Royal Park - 1 basketball court (2003)
- d. Turnstone – 1 basketball court (2003)

3. **Boardwalk Re-finishing and Re-sealing - \$25,000.** Re-finishing and re-sealing of the wooden boardwalk and chain-rail support poles at Leo J. Ryan Park should be done every three to five years.

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

CATAMARAN PARK WOODEN BULKHEAD PRESERVATION

Funding	Funding Sources	
	CIP City	Total
2010-2011	-	-
2011-2012	120,000	120,000
2012-2013	-	-
2013-2014	-	-
2014-2015	-	-
Total	120,000	120,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011	-	-	-	-
2011-2012	91,000	5%	4,600	95,600
2012-2013	-	10%	-	-
2013-2014	-	15%	-	-
2014-2015	-	20%	-	-
Subtotal	91,000		4,600	95,600
Contingency 25%	22,800		1,200	24,000
Totals	113,800		5,800	119,600

of the wood by taking core samples at several locations along the bulkhead. In addition, visual inspections were made at intermittent locations along the bulkhead. The inspections revealed several locations where attack by the marine borer has damaged the wood.

To protect the wooden bulkhead from the spread of borer infestation and to protect the wood from further deterioration, this project would install a high molecular weight polyethylene (PE) sheathing over the lagoon side of the wood piles, from below the mudline to the underside of the waler beam. The sheathing would be fastened to the wood using stainless steel fasteners.

The sheathing is black in color and would protect the aesthetics of the bulkhead. Application of the PE sheathing cuts off the oxygen supply to the marine borer and prevents further attack. This approach has been used successfully to protect wooden bulkheads at the Longwater and Pitcairn Homeowners Associations' lagoon frontage.

PROJECT PRIORITY CATEGORY: CPROJECT DESCRIPTION:

Approximately 550 lineal feet of the Catamaran Park shoreline is protected by an existing wooden bulkhead. The bulkhead was constructed in the mid-1980's as part of the original park improvements. A recent inspection of the existing wooden bulkhead at Catamaran Park included examining the condition

ESTIMATED PROJECT SCHEDULE:

Design / Preparation of Contract Documents	FY 2011-2012
Construction	Summer/Fall 2012

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PARK INFRASTRUCTURE IMPROVEMENTS (2011-2012)

		Funding Sources			
Funding		CIP City		Total	
2010-2011		-		-	
2011-2012		400,000		400,000	
2012-2013		-		-	
2013-2014		-		-	
2014-2015		-		-	
Total		400,000		400,000	
		Expenditure Categories			
Expenditures		Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011		-	0%	-	-
2011-2012		350,000	5%	17,500	367,500
2012-2013		-	10%	-	-
2013-2014		-	15%	-	-
2014-2015		-	20%	-	-
Subtotal		350,000		17,500	367,500
Contingency	10%	35,000		1,800	36,800
Totals		385,000		19,300	404,300

PROJECT PRIORITY CATEGORY: C

PROJECT DESCRIPTION

1. **Parking Lot Resurfacing - \$250,000.** Resurfacing the city owned parking lots should be done every five to seven years. The present condition of surfaces is poor with several areas sustaining cracks, minor ruts, and small holes. Resurfacing processes will include a slurry seal, repairs, and painting. This will add to the general surface life of the asphalt before major repairs or replacements are needed. Locations include (date of last resurfacing is shown below):
 - a. Boat Park (2005)
 - b. Library/Community Center (2005)
 - c. Sea Cloud Park (Large Lot 2005; Small Lot 2007)
 - d. Rec. Ctr. and South Parking Lots (2005)
 - e. Boothbay Park (2005)
 - f. Civic Center and South Drive (2002)
 - g. Police Station (2002)
 - h. Senior Center (2005)
 - i. Port Royal (2003)

2. **Boothbay Park - Turf Renovation - \$100,000.** The grass turf at the northeast side of the park is in poor condition. The turf on this field is marginal at best and is in serious need of renovation. **Extensive** turf repair will be performed with the installation of new sod, about 60,000 sq. ft. This will include “contracted out” and parks’ staff “in-house” work. **Scope of work:**
 - a. Grading - Grading the “field” to level (12” or more)
 - b. Drainage - Correcting drainage flow and possibly relocating drains; new irrigation heads/re-location.
 - c. New top soil – Top soil with specified amendments
 - d. Sod - Premium sports turf blend of “large roll” sod.

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

SEA CLOUD S-4 – SYNTHETIC TURF PARK IMPROVEMENTS (2012-2013)

Funding	Funding Sources			Total
	City CIP	Park in Lieu		
2010-2011	-	-		-
2011-2012	-	-		-
2012-2013	862,500	717,500		1,580,000
2013-2014		-		-
2014-2015		-		-
Total	862,500	717,500		1,580,000
Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011	-	5%	-	-
2011-2012	-	10%	-	-
2012-2013	1,100,000	15%	165,000	1,265,000
2013-2014	-	20%	-	-
2014-2015	-	25%	-	-
Subtotal	1,100,000		165,000	1,265,000
Contingency 25%	275,000		41,300	316,300
Totals	1,375,000		206,300	1,581,300

PROJECT PRIORITY CATEGORY: COTHER POSSIBLE FUNDING SOURCES:

1. Land Water Conservation Grant
2. Youth Sport Turf Foundation

PROJECT DESCRIPTION1. **Synthetic Turf – Sea Cloud Park (S-4) \$1,100,000**

Installation of a modern synthetic turf athletic field surface at Sea Cloud Park on the S-4 Soccer and B-3, B-4 baseball fields. There are approximately seven soccer fields and seven baseball fields at Sea Cloud Park. The synthetic soccer field's option has been available for over ten (10) years. Synthetic grass soccer fields are very popular due to their excellent safety records and outstanding playability.

Because of the elimination of many of the routine park maintenance duties, Parks staff would be redeployed to handle maintenance in other areas throughout the park system. Projected increases in garbage pickup and bathroom cleanup are anticipated due to increased playing times at the park.

With the installation of a synthetic surface, playing conditions would improve and "rain-outs" for the most part would be eliminated. Synthetic fields are also aesthetically pleasing. The new modern synthetic fields are very similar in appearance to a natural grass field. The synthetic fields are also considered superior to natural grass fields in safety for the players.

The timing of this project is currently dependent upon the collection of Park in Lieu fees from anticipated development. If other revenue sources become available (e.g., grants, donations, etc.), the timing of this project will be revisited.

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PARK INFRASTRUCTURE IMPROVEMENTS (2012-2013)

Funding	Funding Sources			Total
	CIP City			
2010-2011	-	-	-	-
2011-2012	-	-	-	-
2012-2013	-	160,000	-	160,000
2013-2014	-	-	-	-
2014-2015	-	-	-	-
Total		160,000		160,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011	-	0%	-	-
2011-2012	-	5%	-	-
2012-2013	120,000	10%	12,000	132,000
2013-2014		15%		
2014-2015	-	20%	-	-
Total	120,000		12,000	132,000
Contingency	20%		2,400	26,400
Totals	144,000		14,400	158,400

PROJECT DESCRIPTION1. **Basketball and Tennis Court Resurfacing - \$120,000.**

The basketball courts and tennis courts listed below will be in need of repairs. The majority of surfaces show considerable signs of wear and cracking. Court surfaces are re-surfaced to ensure that they are safe to play on and aesthetically pleasing. By using an overlay system the courts are level, smoother, and safer to play on. Basketball and tennis court resurfacing is typically performed every five to seven years based upon an evaluation of the condition of each court. The total costs include all resurfacing and painting of lines. Two (2) basketballs courts and five (5) tennis courts will be in need of repairs (date of last resurfacing is shown below):

- a. Edgewater Park – 5 tennis courts (2006)
- b. Edgewater Park -1 basketball court (2003)
- c. Boothbay Park - 1 basketball court (2006)

PROJECT PRIORITY CATEGORY: C

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PARK INFRASTRUCTURE IMPROVEMENTS (2013-2014)

Funding	Funding Sources	
	CIP City	Total
2010-2011	-	-
2011-2012	-	-
2012-2013	-	-
2013-2014	125,000	125,000
2014-2015	-	-
Total	125,000	125,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011	-	0%	-	-
2011-2012	-	5%	-	-
2012-2013	-	10%	-	-
2013-2014	90,000	15%	13,500	103,500
2014-2015	-	20%	-	-
Subtotal	90,000	-	-	103,500
Contingency	20%	18,000	-	18,000
Totals	108,000	-	-	121,500

PROJECT PRIORITY CATEGORY: C

PROJECT DESCRIPTION

1. **Basketball Court Resurfacing - \$40,000.** The majority of surface areas show considerable signs of wear and cracking. Court surfaces are re-surfaced to ensure that they are safe to play on and aesthetically pleasing. By using an overlay system, the courts are level, smoother, and safer to play on. Basketball court resurfacing is typically performed every five to seven years based upon the condition of each court. The total costs include all resurfacing and painting of lines. These courts were last resurfaced in 2006.

- a. Catamaran Park -1 basketball court (2006)
- b. Ketch Park - 1 basketball court (2006)

2. **Tennis Court Resurfacing - \$50,000.** This is an element of our regularly scheduled tennis court surface maintenance program. Two (2) courts will need to be resurfaced. These courts were last resurfaced in 2006.

- Catamaran Park – 2 tennis courts (2006)

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

LEVEE PARK ("DESTINATION PARK") PARK IMPROVEMENTS (2013-2014)

		Funding Sources			
Funding		Park in Lieu	Total		
2010-2011		-	-		
2011-2012		-	-		
2012-2013		-	-		
2013-2014		450,000	450,000		
2014-2015		-	-		
Total		450,000	450,000		
		Expenditure Categories			
Expenditures		Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011		-	0%	-	-
2011-2012		-	5%	-	-
2012-2013		-	10%	-	-
2013-2014		310,000	15%	46,500	356,500
2014-2015		-	20%	-	-
Subtotal		310,000		46,500	356,500
Contingency	25%	77,500		11,600	89,100
Totals		387,500		58,100	445,600

PROJECT DESCRIPTION

1. **Levee Park ("Destination Park") - \$310,000.** The project proposal is to develop a "natural park" in this area adjacent to the levee/pedway and Beach Park Blvd. at Halibut Street. The park would be a respite stop for travelers along our section of the Bay Trail. Features will include: picnic tables, a drinking fountain, a small restroom, benches, a bike rack, and an "interpretive center".

The timing of this project is currently dependent upon the collection of Park in Lieu fees from anticipated development. Future grant funding may be available through LWCF (Land and Water Conservation Fund). If other funding sources come available, the timing of this project will be revisited.

PROJECT PRIORITY CATEGORY: COTHER POSSIBLE FUNDING SOURCES:

1. Capital Investment – City Fund
2. Land and Water Conservation Fund (Federal Grant)
3. State Park Bond Grant (Proposition 84)
4. Bay Trails Grants
5. CCAG Bikeway Grant

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

LANDSCAPED CUL-DE-SACS PARK IMPROVEMENTS (2014-2015)

		Funding Sources			
Funding		CIP City		Total	
2010-2011		-		-	
2011-2012		-		-	
2012-2013		-		-	
2013-2014		-		-	
2014-2015		650,000		650,000	
Total		650,000		650,000	
		Expenditure Categories			
Expenditures		Estimated Project Cost	Inflation %	Inflation Escalation	Total
2010-2011		-	0%	-	-
2011-2012		-	5%	-	-
2012-2013		-	10%	-	-
2013-2014		-	15%	-	-
2014-2015		450,000	20%	90,000	540,000
Subtotal		450,000		90,000	540,000
Contingency	20%	90,000		18,000	108,000
Totals		540,000		108,000	648,000

PROJECT PRIORITY CATEGORY: C

PROJECT DESCRIPTION

Cul-de-sacs Refurbishment - \$450,000. The total project proposal is to refurbish 28 cul-de-sacs totaling approximately 10 acres of landscaped areas over a 5 year period. This would include replacing lawn and shrub areas with drought tolerant, low maintenance planting, perhaps even synthetic turf in some areas, including irrigation change-out and installation of Central Irrigation System clocks in each cul-de-sac.

The 28 cul-de-sacs include:

Sunfish, Mullet, Bluefish, Shad, Sandpiper, Stilt, Puffin, Kildeer, Turnstone, Avocet, Loon, Curlew, Pelican and Duck Courts.

This first year's phase of the project includes:

Design and refurbishment of six Cul-de-sacs, including: Bluefish (2), Loon (2), and Curlew (2) Courts.

This would be a multi-year project.

Funding for the first year of this project is estimated to be \$450,000.

Total estimated project cost over 5 years is: \$1,850,000