

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 service to meet the City/District's needs. The following is a summary of active projects to be managed during Fiscal Year 2011-2012.

Ongoing Projects:

(CIP 455-603, Budget \$5,213,500) Sanitary Sewer Lift Station Improvements Phase 4 (2008-2009)

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. The rehabilitated lift stations will also provide a safer working environment for the operational staff. 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.

At the August 2, 2010 meeting, the District Board awarded the construction contract to Anderson Pacific Engineering Construction, Inc. to rehabilitate six (6) lift stations, replace two (2) standby generators, replace four (4) electrical control cabinets, and provide one (1) portable generator. Anderson Pacific will also replace the Supervisory Control and Data Acquisition (SCADA) system utilizing a licensed radio frequency for improved communications. The SCADA allows remote control and monitoring of water, wastewater, and lagoon facilities. Construction has started and will continue

through the summer. The project closeout is anticipated at the end of 2011.

(CIP 301-607, Budget \$1,575,000) Levee/Pedway Improvement and Repairs (2006-2007)

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 entire project is estimated to cost \$2,200,000. The plan developed by staff included 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. Phase I was completed in FY 2010-2011, and Phase II is currently underway.

(CIP 301-608, Budget \$210,000) Park Infrastructure Improvements (2009-2010)

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. 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 satellites controllers at 10

park sites and one weather station. Park site locations include:

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

These controllers have been installed. Trouble-shooting, testing and monitoring of the system as well as operator training will be on-going as we move forward into the spring and summer irrigation seasons. Staff is anticipating being able to have five additional controllers installed – one at each site including:

- Shad Park
- Gull Park
- Turnstone Park
- Pompano Park
- Library

Installations began in February 2010. Work at all installation sites should be completed within 16 months (July 2011). 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.

(CIP 455-611, Budget \$ 150,000) Sewer System Rehabilitation (2010-2011)

This project is part of a multi-phase program to assess and make repairs to the sanitary sewer collection system including gravity mains, force mains, and manhole structures. The first phase of the project was completed in Summer 2010 and addressed repairs to sections of sewer gravity mains that were identified by Public Works Maintenance staff as part of their closed circuit television inspection program. The problems addressed by this project included broken or cracked pipe, pipe misalignments, and separated or offset joints.

New repair and/or rehabilitation needs continue to be identified as additional video inspection data is collected. The budget for this second phase was established to address these needs, as well as to inspect and assess the condition of force mains throughout the collection system. Based on the information collected to date, staff will evaluate the nature, timing and magnitude of any future collection and conveyance system improvements.

Staff will develop a Request for Proposal to perform an assessment of the sewer force mains. The force mains are pipelines that convey wastewater under pressure from pumps located at sanitary sewer lift stations. The District maintains forty-nine lift stations throughout the District's service area. Because force mains operate under pressure, access to force mains is limited in most cases. As a result, Public Works staff has not been able to televise or inspect the force mains. There is approximately 3.25 miles of force mains within the wastewater collection system.

The District's force mains are constructed of a variety of materials including asbestos cement and ductile iron pipe. Repairs to force mains have been required at various locations in recent years. A force main study is needed to inspect and evaluate the condition of force mains throughout the District's service area. The study work may include construction of pipe fixtures to facilitate access to force mains.

(CIP 405-612, Budget \$200,000) Water Main Condition Survey Project (2010-2011)

This project is scheduled to be performed in FY 2010/2011 and will provide for follow-up investigations and assessment work on the 24-inch transmission main following Phase II work under (CIP 760) Water Main Condition Survey and Improvements Project which was completed in Summer 2009. Phase II work included the construction of access ports along the City's 24-inch high pressure water transmission main. This project will provide for the investigation of the main using the most recent leak detection technologies available to monitor and access the internal condition of the pipeline and obtain additional information on the condition of the water main. Staff will work with current leaders in the field of leak detection technology to develop a program to perform internal pipeline investigation in Summer 2011. Based on the results of the survey, construction costs will be identified and improvements prioritized.

(CIP 301-613, Budget \$825,000) Residential Street Resurfacing & Repair (2010-2011)

This biennial project is part of the City's ongoing program to maintain the public street system. The Public Works

Department uses the Pavement Management Program (PMP) database and program analysis to evaluate the condition of City street network and to help identify street maintenance priorities. The program also helps determine the most cost effective treatment to extend the life of a section of roadway. Staff compiled a list of candidate residential streets for resurfacing and slurry seal work. The list was provided to the City Council in December 2010. The City Council approved the plans and specifications and authorization to bid the project. Bid award is scheduled for the April 18th City Council meeting with construction during the Summer of 2011.

(CIP 301-614, Budget \$210,000) Park Infrastructure Improvements (2010-2011)

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)

Work is anticipated to be performed after Winter/Spring rains in 2011.

Basketball Court Resurfacing - \$50,000. The surfaces show considerable signs of wear and cracking. Court

surfaces are resurfaced 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)

Work is anticipated to be performed after Winter/Spring rains in 2011.

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.

Project was done by Stella Painting on time and under budget. Total expenditure for this component was \$23,900.

(CIP 301-615, Budget \$1,536,000) Sea Cloud Park Synthetic Turf Soccer and Baseball Fields (S-4, B-4, B-3) (2010-2011)

and

(CIP 301-616, Budget \$1,651,700) Port Royal Park Synthetic Turf Soccer Field and Walking Track (2010-2011)

The City Council approved these synthetic turf park projects during FY 2010-2011. The Sea Cloud Park project will

replace existing natural turf with synthetic soccer and baseball playing surfaces at S-4, B-3 and B-4 playing fields. The Port Royal Park project will replace the existing natural turf soccer field with a synthetic playing surface as well as a two-lane synthetic walking track around the perimeter of the soccer field. Both of these projects will provide residents with more usable field time, eliminate costs of annual field refurbishment, significantly reduce water consumption, and reduce overall maintenance efforts by Parks Maintenance staff. An architect is being selected in FY 2010-2011 to develop design and construction documents by September 2011. Construction is expected to begin February 2012, with completion by September 2012.

Projects Completed and Closed out in FY 2010-2011:

- CIP 301-605 – Park Infrastructure Improvements
- CIP 455-757 – Sewer System Rehabilitation (Mains, Manholes and Force Mains)
- CIP 301-762 – Follow-up on Bi-Annual Caltrans Bridge Inspections
- CIP 455-730 – WWTP Expansion Phase II

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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 begins 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 Wastewater 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 2011-2012 TO 2015-2016)

Category	NO.	PROJECT NAME	Funding Source*	TOTAL - Not Including Prior Years	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
WASTEWATER PROJECTS									
A	1	(NEW CIP) WASTEWATER SYSTEM – AUXILIARY PUMP FOR LIFT STATION 59 (2011-2012)	CS	\$75,000	\$75,000				
A	2	(NEW CIP) WASTEWATER SYSTEM REPAIRS – GRAVITY MAINS & MANHOLES (2012-2013)	CS	\$175,000		\$175,000			
A	3	(NEW CIP) WASTEWATER LIFT STATION IMPROVEMENTS PROJECT (2012-2013 to 2015-2016)	CS	\$6,000,000		\$150,000	\$250,000		\$5,600,000
TOTAL WASTEWATER COLLECTION SYSTEM PROJECTS			3	\$6,250,000	\$75,000	\$325,000	\$250,000	\$0	\$5,600,000
WATER PROJECTS									
A	4	(NEW CIP) SEISMIC EVALUATION OF WATER TANKS 1, 2 AND 3 (2011-2012)	CW	\$100,000	\$100,000				
A	5	(NEW CIP) WATER SYSTEM - BOOSTER PUMP BUILDING (2011-2012)	CW	\$55,000	\$55,000				
TOTAL WATER PROJECTS			2	\$155,000	\$155,000	\$0	\$0	\$0	\$0
STREETS/TRAFFIC PROJECTS									
A	6	(NEW CIP) STREET SYSTEM - MULTI-PROJECT ROADWAY IMPROVEMENTS (2011-2012)	DEV / MA-SP	\$5,072,000	\$5,072,000				
A	7	(NEW CIP) VINTAGE PARK OVERCROSSING PROJECT (2011-2012 to 2012-2013)	CC	\$2,150,000	\$150,000	\$2,000,000			
A	8	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2011-2012)	MA / P42	\$865,000	\$865,000				
B	13	(NEW CIP) STREET SYSTEM - LED STREET LIGHT REPLACEMENT (2012-2013)	CC	\$150,000		\$150,000			
A	9	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2012-2013)	MA / MM	\$845,000		\$845,000			
A	10	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2013-2014)	MA / MM / P1B	\$915,000			\$915,000		
A	11	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2014-2015)	MA / MM	\$950,000				\$950,000	
A	12	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2015-2016)	MA / MM	\$890,000					\$890,000
TOTAL STREETS/TRAFFIC PROJECTS			8	\$11,837,000	\$6,087,000	\$2,995,000	\$915,000	\$950,000	\$890,000
STORMWATER/LAGOON PROJECTS									
C	14	(NEW CIP) CITY BULKHEAD REPAIR AND CORROSION PROTECTION (2014-2015)	CC	\$100,000				\$100,000	
TOTAL STORMWATER/LAGOON PROJECTS			1	\$100,000	\$0	\$0	\$0	\$100,000	\$0
PARKS PROJECTS									
C	15	(CIP 607) LEVEE/PEDWAY IMPROVEMENTS AND REPAIRS (2011-2012)	CC	\$625,000	\$625,000				
C	16	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2011-2012)	CC	\$250,000	\$250,000				
C	17	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2012-2013)	CC	\$400,000		\$400,000			
C	18	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2013-2014)	CC	\$245,000			\$245,000		
C	19	(NEW CIP) LANDSCAPED CUL-DE-SACS PARK IMPROVEMENTS (2014-2015)	CC	\$395,000				\$395,000	
C	20	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2015-2016)	CC	\$45,000					\$45,000
TOTAL PARKS PROJECTS			6	\$1,960,000	\$875,000	\$400,000	\$245,000	\$395,000	\$45,000
BUILDING PROJECTS									
NONE									
TOTAL BUILDING PROJECTS			0	\$0	\$0	\$0	\$0	\$0	\$0
GRAND TOTAL			20	\$20,302,000	\$7,192,000	\$3,720,000	\$1,410,000	\$1,445,000	\$6,535,000

* CC=CIP City; DEV=Developer's Deposits; MA=Measure A (City); MA-SP=Measure A Special Projects (County); MM=Measure M; GT = Gas Tax (Section 2103); P42 = Proposition 42; P1B = Proposition 1B; CS=CIP Wastewater; CW=CIP Water

**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) WASTEWATER SYSTEM – AUXILIARY PUMP FOR LIFT STATION 59 (2011-	\$75,000	
2	(NEW CIP) WASTEWATER SYSTEM REPAIRS – GRAVITY MAINS & MANHOLES (2012-	\$175,000	
3	(NEW CIP) WASTEWATER LIFT STATION IMPROVEMENTS PROJECT (2012-2013 to 2015-2016)	\$6,000,000	
4	(NEW CIP) SEISMIC EVALUATION OF WATER TANKS 1, 2 AND 3 (2011-2012)	\$100,000	
5	(NEW CIP) WATER SYSTEM - BOOSTER PUMP BUILDING (2011-2012)	\$55,000	
6	(NEW CIP) STREET SYSTEM - MULTI-PROJECT ROADWAY IMPROVEMENTS (2011-2012)	\$5,072,000	
7	(NEW CIP) VINTAGE PARK OVERCROSSING PROJECT (2011-2012 to 2012-2013)	\$2,150,000	
8	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2011-2012)	\$865,000	
9	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2012-2013)	\$845,000	
10	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2013-2014)	\$915,000	
11	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2014-2015)	\$950,000	
12	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2015-2016)	\$890,000	
		Subtotal for Category A Projects	\$18,092,000
CATEGORY B PROJECTS			
13	(NEW CIP) STREET SYSTEM - LED STREET LIGHT REPLACEMENT (2012-2013)	\$150,000	
		Subtotal for Category B Projects	\$150,000
CATEGORY C PROJECTS			
14	(NEW CIP) CITY BULKHEAD REPAIR AND CORROSION PROTECTION (2014-2015)	\$100,000	
15	(CIP 607) LEVEE/PEDWAY IMPROVEMENTS AND REPAIRS (2011-2012)	\$625,000	
16	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2011-2012)	\$250,000	
17	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2012-2013)	\$400,000	
18	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2013-2014)	\$245,000	
19	(NEW CIP) LANDSCAPED CUL-DE-SACS PARK IMPROVEMENTS (2014-2015)	\$395,000	
20	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2015-2016)	\$45,000	
		Subtotal for Category C Projects	\$2,060,000
GRAND TOTAL			\$20,302,000

**TABLE B
FIVE YEAR CAPITAL IMPROVEMENT PROJECT PLAN (FY 2011-2012 to 2015-2016)**

No.	DESCRIPTION	CIP - City	Developer Deposits	Foster City Foundation	Gas Tax (2103)	Measure A (City)	Measure A (Special Projects)	Measure M	Foster City CDA PIRA Agreement	Park-In-Lieu Fees	Proposition 42	Proposition 1B	CIP - Water	CIP - Wastewater	TOTAL	No.
	Funds Available for CIP Projects (1)	\$4,594,000	\$0	\$0	\$281,000	\$1,994,000	\$0	\$0	\$1,064,000	\$515,300	\$25,000	\$0	\$2,608,300	\$5,470,000	\$16,551,600	
	Long-Term CIP Funding Program (2)	\$6,710,000	\$0										\$2,375,000	\$5,720,000	\$14,805,000	
	Revenue Projections (3)	\$900,000	\$3,622,000	\$244,000	\$1,567,400	\$2,543,000	\$1,450,000	\$396,000	\$80,000	\$0	\$0	\$450,000	\$0	\$0	\$11,252,400	
	Fund Transfers (4)	\$73,500	\$0	(\$244,000)	\$0	\$0	\$0	\$0	\$0	\$170,500	\$0	\$0	\$0	\$0	\$0	
	Total Available	\$12,277,500	\$3,622,000	\$0	\$1,848,400	\$4,537,000	\$1,450,000	\$396,000	\$1,144,000	\$685,800	\$25,000	\$450,000	\$4,983,300	\$11,190,000	\$42,609,000	
CATEGORY A PROJECTS																
1	(NEW CIP) WASTEWATER SYSTEM – AUXILIARY PUMP FOR LIFT STATION 59 (2011-2012)													\$75,000	\$75,000	1
2	(NEW CIP) WASTEWATER SYSTEM REPAIRS – GRAVITY MAINS & MANHOLES (2012-2013)													\$175,000	\$175,000	2
3	(NEW CIP) WASTEWATER LIFT STATION IMPROVEMENTS PROJECT (2012-2013 to 2015-2016)													\$6,000,000	\$6,000,000	3
4	(NEW CIP) SEISMIC EVALUATION OF WATER TANKS 1, 2 AND 3 (2011-2012)												\$100,000		\$100,000	4
5	(NEW CIP) WATER SYSTEM - BOOSTER PUMP BUILDING (2011-2012)												\$55,000		\$55,000	5
6	(NEW CIP) STREET SYSTEM - MULTI-PROJECT ROADWAY IMPROVEMENTS (2011-2012)		\$3,622,000				\$1,450,000								\$5,072,000	6
7	(NEW CIP) VINTAGE PARK OVERCROSSING PROJECT (2011-2012 to 2012-2013)	\$2,150,000													\$2,150,000	7
8	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2011-2012)					\$840,000					\$25,000				\$865,000	8
9	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2012-2013)					\$746,000		\$99,000							\$845,000	9
10	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2013-2014)					\$366,000		\$99,000				\$450,000			\$915,000	10
11	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2014-2015)					\$851,000		\$99,000							\$950,000	11
12	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2015-2016)					\$791,000		\$99,000							\$890,000	12
	SUB TOTAL OF CATEGORY A PROJECTS	\$2,150,000	\$3,622,000	\$0	\$0	\$3,594,000	\$1,450,000	\$396,000	\$0	\$0	\$25,000	\$450,000	\$155,000	\$6,250,000	\$18,092,000	
	FUNDS AVAIL. (LESS CATEGORY A PROJECTS)	\$10,127,500	\$0	\$0	\$1,848,400	\$943,000	\$0	\$0	\$1,144,000	\$685,800	\$0	\$0	\$4,828,300	\$4,940,000	\$24,517,000	
CATEGORY B PROJECTS																
13	(NEW CIP) STREET SYSTEM - LED STREET LIGHT REPLACEMENT (2012-2013)	\$150,000													\$150,000	
	SUB TOTAL OF CATEGORY B PROJECTS	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	
	FUNDS AVAIL. (LESS CATEGORY A AND B PROJECTS)	\$9,977,500	\$0	\$0	\$1,848,400	\$943,000	\$0	\$0	\$1,144,000	\$685,800	\$0	\$0	\$4,828,300	\$4,940,000	\$24,367,000	
CATEGORY C PROJECTS																
14	(NEW CIP) CITY BULKHEAD REPAIR AND CORROSION PROTECTION (2014-2015)	\$100,000													\$100,000	14
15	(CIP 607) LEVEE/PEDWAY IMPROVEMENTS AND REPAIRS (2011-2012)	\$625,000													\$625,000	15
16	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2011-2012)	\$250,000													\$250,000	16
17	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2012-2013)	\$400,000													\$400,000	17
18	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2013-2014)	\$245,000													\$245,000	18
19	(NEW CIP) LANDSCAPED CUL-DE-SACS PARK IMPROVEMENTS (2014-2015)	\$395,000													\$395,000	19
20	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2015-2016)	\$45,000													\$45,000	20
	SUB TOTAL OF CATEGORY C PROJECTS	\$2,060,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,060,000	
	FUNDS AVAIL. (LESS CATEGORY A, B, AND C PROJECTS)	\$7,917,500	\$0	\$0	\$1,848,400	\$943,000	\$0	\$0	\$1,144,000	\$685,800	\$0	\$0	\$4,828,300	\$4,940,000	\$22,307,000	

- (1) Funds Available include \$2.0M Emerg. Reserve for CIP City
- (2) Funds transferred from the City General Fund (for CIP - City), Water Operations (CIP Water) and Wastewater Operations (CIP Wastewater) over the next five years per the Long-Term CIP Funding Program.
- (3) Includes Interest Earnings.
- (4) Transfers from the Foster City Foundation and Park-In-Lieu Fees are as follows:
- 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 was received to date 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.
 - Additional grants totalling \$170,500 through 2015-2016 are expected to be received from the Foster City Youth Softball Association, Foster City Little League, and Foster City AYSO and PYSC youth soccer league organizations towards the Synthetic Turf projects at Sea Cloud Park S-4 and Port Royal Parks. Since the Park-In-Lieu Fund fronted the money for these projects, the Foster City Foundation will reimburse the Park-In-Lieu Fund as donations from these organizations are received.
 - The Pilgrim-Triton Phase I project is estimated to generate \$4,000,000 in Park-In-Lieu Fees that are expected to be received by June 30, 2011; of this amount, \$1,833,000 was reimbursed to the City CIP for the unfunded construction costs associated with the Synthetic Turf Projects at Catamaran Park and Sea Cloud Park S-3, and \$1,651,000 was appropriated in FY 2010-2011 for the Synthetic Turf Project at Port Royal Park. The remainder is available for Transfer to the City CIP Funds for Park Projects.

**TABLE C
CAPITAL IMPROVEMENT PROJECT (CIP) PLAN (FISCAL YEAR 2011-2012)**

PROJECT NAME	Funding Source*	Total Project Cost	Prior Years' Funding	FY 2011-2012 Funding	Funding Sources								
					City Capital Investment	Developer Deposits	Measure A (City)	Measure A (Special Projects)	Measure M	Proposition 42	Water Capital Investment	Wastewater Capital Investment	
WASTEWATER PROJECTS													
(NEW CIP) WASTEWATER SYSTEM – AUXILIARY PUMP FOR LIFT STATION 59 (2011-2012)	CS	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
TOTAL SEWER PROJECTS	1	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
WATER PROJECTS													
(NEW CIP) SEISMIC EVALUATION OF WATER TANKS 1, 2 AND 3 (2011-2012)	CW	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -
(NEW CIP) WATER SYSTEM - BOOSTER PUMP BUILDING (2011-2012)	CW	\$ 55,000	\$ -	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000	\$ -
TOTAL WATER PROJECTS	2	\$ 155,000	\$ -	\$ 155,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155,000	\$ -
STREETS/TRAFFIC PROJECTS													
(NEW CIP) STREET SYSTEM - MULTI-PROJECT ROADWAY IMPROVEMENTS (2011-2012)	DEV / MA-SP	\$ 5,072,000	\$ -	\$ 5,072,000	\$ -	\$ 3,622,000	\$ -	\$ 1,450,000	\$ -	\$ -	\$ -	\$ -	\$ -
(NEW CIP) VINTAGE PARK OVERCROSSING PROJECT (2011-2012 to 2012-2013)	CC	\$ 150,000	\$ -	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2011-2012)	MA, P42	\$ 865,000	\$ -	\$ 865,000	\$ -	\$ -	\$ 840,000	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -
TOTAL STREETS/TRAFFIC PROJECTS	3	\$ 6,087,000	\$ -	\$ 6,087,000	\$ 150,000	\$ 3,622,000	\$ 840,000	\$ 1,450,000	\$ -	\$ 25,000	\$ -	\$ -	\$ -
STORMWATER/LAGOON PROJECTS													
NONE													
TOTAL STORMWATER/LAGOON PROJECTS	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PARKS PROJECTS													
(CIP 607) LEVEE/PEDWAY IMPROVEMENTS AND REPAIRS (2011-2012)	CC	\$ 2,200,000	\$ 1,575,000	\$ 625,000	\$ 625,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2011-2012)	CC	\$ 250,000	\$ -	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL PARKS PROJECTS	2	\$ 2,450,000	\$ 1,575,000	\$ 875,000	\$ 875,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
BUILDING PROJECTS													
NONE													
TOTAL BUILDING PROJECTS	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GRAND TOTAL	8	\$ 8,767,000	\$ 1,575,000	\$ 7,192,000	\$ 1,025,000	\$ 3,622,000	\$ 840,000	\$ 1,450,000	\$ -	\$ 25,000	\$ 155,000	\$ 75,000	\$ -

* CC=CIP City; MA=Measure A (City); MA-SP=Measure A (Special Projects); DEV=Developer Deposits; P42=Proposition 42; CS=CIP Wastewater; CW=CIP Water

**TABLE D
ACTIVE AND PROPOSED CIP'S THROUGH FY 2015-2016**

ACTIVE PROJECT	DESCRIPTION	FY AUTH	PRIOR YEARS BUDGET AND ADJUSTMENT	CURRENT YEAR BUDGET AND ADJUSTMENT (2010-2011)	TOTAL APPROVED BUDGET AND ADJUSTMENT	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	ESTIMATED TOTAL PROJECT BUDGET
455-603	SANITARY SEWER LIFT STATION IMPROVEMENTS	08/09	\$ 5,213,500	\$ -	\$ 5,213,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,213,500
301-607	LEEVEE/PEDWAY IMPROVEMENT & REPAIRS	06/07	\$ 950,000	\$ 625,000	\$ 1,575,000	\$ 625,000	\$ -	\$ -	\$ -	\$ -	\$ 2,200,000
301-608	PARK INFRASTRUCTURE IMPROVEMENTS	09/10	\$ 210,000	\$ -	\$ 210,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 210,000
455-611	SEWER SYSTEM REHABILITATION-FORCE MAINS, GRAVITY MAINS AND MANHOLES (10/11 TO 11/12)	10/11	\$ -	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
405-612	WATER MAIN CONDITION SURVEY (2010-2011)	10/11	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
301-613	RESIDENTIAL STREET RESURFACING AND REPAIR (2010-2011)	10/11	\$ -	\$ 825,000	\$ 825,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 825,000
301-614	PARK INFRASTRUCTURE IMPROVEMENTS (2010-2011)	10/11	\$ -	\$ 210,000	\$ 210,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 210,000
301-615	SEA CLOUD PARK SYNTHETIC TURF SOCCER AND BASEBALL FIELDS (S-4, B-4, B-3) (2010-2011)	10/11	\$ -	\$ 1,536,700	\$ 1,536,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,536,700
301-616	PORT ROYAL PARK SYNTHETIC TURF SOCCER FIELD AND WALKING TRACK (2010-2011)	10/11	\$ -	\$ 1,651,700	\$ 1,651,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,651,700
NEW	(NEW CIP) WASTEWATER SYSTEM – AUXILIARY PUMP FOR LIFT STATION 59 (2011-2012)	11/12	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
NEW	(NEW CIP) WASTEWATER SYSTEM REPAIRS – GRAVITY MAINS & MANHOLES (2012-2013)	12/13	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ 175,000
NEW	(NEW CIP) WASTEWATER LIFT STATION IMPROVEMENTS PROJECT (2012-2013 to 2015-2016)	12/13	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 250,000	\$ -	\$ 5,600,000	\$ 6,000,000
NEW	(NEW CIP) SEISMIC EVALUATION OF WATER TANKS 1, 2 AND 3 (2011-2012)	11/12	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
NEW	(NEW CIP) WATER SYSTEM - BOOSTER PUMP BUILDING (2011-2012)	11/12	\$ -	\$ -	\$ -	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ 55,000
NEW	(NEW CIP) STREET SYSTEM - MULTI-PROJECT ROADWAY IMPROVEMENTS (2011-2012)	11/12	\$ -	\$ -	\$ -	\$ 5,072,000	\$ -	\$ -	\$ -	\$ -	\$ 5,072,000
NEW	(NEW CIP) VINTAGE PARK OVERCROSSING PROJECT (2011-2012 to 2012-2013)	11/12	\$ -	\$ -	\$ -	\$ 150,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,150,000
NEW	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2011-2012)	11/12	\$ -	\$ -	\$ -	\$ 865,000	\$ -	\$ -	\$ -	\$ -	\$ 865,000
NEW	(NEW CIP) STREET SYSTEM - LED STREET LIGHT REPLACEMENT (2012-2013)	12/13	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000
NEW	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2012-2013)	12/13	\$ -	\$ -	\$ -	\$ -	\$ 845,000	\$ -	\$ -	\$ -	\$ 845,000
NEW	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2013-2014)	13/14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 915,000	\$ -	\$ -	\$ 915,000
NEW	(NEW CIP) RESIDENTIAL STREET RESURFACING AND REPAIR (2014-2015)	14/15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 950,000	\$ -	\$ 950,000
NEW	(NEW CIP) ARTERIAL AND COLLECTOR OVERLAY PROJECT (2015-2016)	15/16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 890,000	\$ 890,000
NEW	(NEW CIP) CITY BULKHEAD REPAIR AND CORROSION PROTECTION (2014-2015)	14/15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000
NEW	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2011-2012)	11/12	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
NEW	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2012-2013)	12/13	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000
NEW	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2013-2014)	13/14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 245,000	\$ -	\$ -	\$ 245,000
NEW	(NEW CIP) LANDSCAPED CUL-DE-SACS PARK IMPROVEMENTS (2014-2015)	14/15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 395,000	\$ -	\$ 395,000
NEW	(NEW CIP) PARK INFRASTRUCTURE IMPROVEMENTS (2015-2016)	15/16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000	\$ 45,000
	TOTAL		\$ 6,373,500	\$ 5,198,400	\$ 11,571,900	\$ 7,192,000	\$ 3,720,000	\$ 1,410,000	\$ 1,445,000	\$ 6,535,000	\$ 31,873,900

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CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WASTEWATER SYSTEM – AUXILIARY PUMP FOR LIFT STATION 59

Funding Sources		
CIP		
Funding	Wastewater	Total
2011-2012	75,000	75,000
2012-2013	-	-
2013-2014	-	-
2014-2015	-	-
2015-2016	-	-
Total	75,000	75,000

Expenditure Categories				
Expenditures	Estimated	Inflation		Total
	Project Cost	Inflation %	Escalation	
2011-2012	75,000	-	-	75,000
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	75,000	-	-	75,000
Contingency 0%	-	-	-	-
Totals	75,000	-	-	75,000

PROJECT PRIORITY CATEGORY: APROJECT DESCRIPTION:

This project will provide a third redundancy for our main Lift Station #59 which pumps the City's wastewater flow to the San Mateo / EMID WWTP. L.S. # 59 is equipped with two 215 HP and three 35 HP pumps and has a maximum pumping capacity of 10 MGD. All five pumps are operated by variable-frequency drive electric motors. There is a 1,000 KW diesel generator as the only alternative power supply available to operate the

pumps in case of a PG&E power failure.

The generator was recently reconditioned and the remaining useful life was extended an additional 10 years with a replacement value of \$415,000. During the rehabilitation of the generator it was necessary to lease a backup 1,000 KW portable generator to assure temporary power while the existing generator was being repaired (approximately one month). It was discovered that there are only three generators of this size available for rent within California and the closest one is several hours away.

The objective of this project is to provide a third level of redundancy for pumping the raw wastewater in the event PG&E lost power and our emergency generator did not work. The emergency standby system selected will have sufficient capacity to start up and maintain the total running capacity of the lift station. Options to be considered are:

- Provide a gas powered trash pump with the necessary valving and piping to be connected to the force main
- Provide a portable generator receptacle hookup to drive one or two of the pumps during the emergency operation
- Provide plans, specifications and a cost estimate of the approved alternative

After the completion of the engineering study, staff will review and select an alternative to establish the final project funding needs for FY 2012-2013 and report our recommendations to the Board of Directors.

ESTIMATED PROJECT SCHEDULE:

Inspection and Assessment	FY 2011-2012
Prepare Specification/Design	FY 2012-2013
Purchase & Install	FY 2012-2013

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WASTEWATER SYSTEM REPAIRS –GRAVITY MAINS & MANHOLES

Funding	Funding Sources	
	CIP	Total
	Wastewater	
2011-2012	-	-
2012-2013	175,000	175,000
2013-2014	-	-
2014-2015	-	-
2015-2016	-	-
Total	175,000	175,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	-	-	-	-
2012-2013	135,000	3%	4,100	139,100
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	135,000		4,100	139,100
Contingency 25%	33,800		1,000	34,800
Totals	168,800		5,100	173,900

PROJECT PRIORITY CATEGORY: A

PROJECT DESCRIPTION:

This project will continue the District's program of performing repairs to the sanitary sewer collection system gravity mains. The repairs will be based on closed circuit television (CCTV) inspections completed by the District's Public Works Maintenance staff. Based on these inspections, repair and rehabilitation work will be completed at high priority locations. The first phase of the project was completed in Summer 2010. The next phase of the project will continue to address localized pipe repair and manhole rehabilitation work identified by the CCTV inspections.

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.

ESTIMATED PROJECT SCHEDULE:

Project Design and Compiling of	FY 2011-2012
Repair/Rehabilitation Locations	
Construction	FY 2012-2013

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

SANITARY SEWER LIFT STATION IMPROVEMENTS PROJECT

Funding	Funding Sources	
	Wastewater	Total
2011-2012	-	-
2012-2013	150,000	150,000
2013-2014	250,000	250,000
2014-2015	-	-
2015-2016	5,600,000	5,600,000
Total	6,000,000	6,000,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	-	0%	-	-
2012-2013	150,000	3%	4,500	154,500
2013-2014	250,000	6%	15,000	265,000
2014-2015	-	9%	-	-
2015-2016	3,975,000	12%	477,000	4,452,000
Subtotal	4,375,000		496,500	4,871,500
Contingency 25%	993,800		124,100	1,117,900
Totals	5,368,800		620,600	5,989,400

PROJECT PRIORITY CATEGORY: APROJECT DESCRIPTION:

This project is part of a multi-phase program to rehabilitate the sewer system lift stations by performing preventative maintenance and upgrades to extend the useful life of the lift stations. The program provides for a project to be constructed every 3 to 4 years to achieve economies of scale. Over a 30-year period, all of the District's 49 lift stations will be repaired

and rehabilitated.

Repairs have been completed on sixteen (16) of the District's 49 lift stations (Phase 1 through 3). Phase 4 is currently under construction and includes six (6) lift stations. Phase 4 construction is anticipated to be complete by the end of 2011. A Lift Station Priority List will be developed for use in selecting the next group of stations for rehabilitation.

Lift Station improvements generally include items of work such as: repairing interior wet wells; installing new pumps, motors and valves; replacing electrical control cabinets and components; installing by-pass piping and connections; replacing corroded components; replacing manhole covers with lighter hatches; and installing control monitoring equipment.

Funding in the amount of \$400,000 is recommended for preparation of plans, specification and construction cost estimates (PSE). Construction costs totaling \$5.6 million are included in the projections for FY 2015-2016 and will be refined when preliminary design and plans and specifications are prepared.

ESTIMATED PROJECT SCHEDULE:

Project Report and Design	FY 2013-2014
Project Construction	FY 2014-2015
Project Closeout	FY 2014-2015

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

SEISMIC EVALUATION OF WATER TANKS 1, 2, AND 3

Funding	Funding Sources	
	CIP Water	Total
2011-2012	100,000	100,000
2012-2013	-	-
2013-2014	-	-
2014-2015	-	-
2015-2016	-	-
Total	100,000	100,000

Expenditures	Expenditure Categories			Total
	Estimated Project Cost	Inflation %	Inflation Escalation	
2011-2012	100,000		-	100,000
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	100,000		-	100,000
Contingency 0%	-		-	-
Totals	100,000		-	100,000

PROJECT DESCRIPTION:

The District maintains three (3) welded steel four-million gallon water storage reservoirs located at the City/District Corporation Yard. These reservoirs provide emergency supply storage, as well as storage for peak use periods and fire fighting needs. Water Tanks 1 and 2 are the oldest of the tanks and were constructed in 1965 and 1974 respectively. Water Tank #3 was completed in 1993. All three tanks are welded steel structures and are approximately 150 feet in diameter and 30 feet in height. The protective coatings on all three tanks were replaced in 2001.

This project provides for a seismic engineering study of each the 4-million gallon storage tanks. The study will include a structural evaluation of the tanks, as well as an operational evaluation. The study will provide both structural and operational recommendations to minimize damage potential from a seismic event.

PROJECT PRIORITY CATEGORY: AESTIMATED PROJECT SCHEDULE:

Seismic and Engineering
Evaluation/Study

FY 2011-2012

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WATER SYSTEM – BOOSTER PUMP BUILDING

Funding	Funding Sources	
	CIP Water	Total
2011-2012	55,000	55,000
2012-2013	-	-
2013-2014	-	-
2014-2015	-	-
2015-2016	-	-
Total	55,000	55,000

Expenditures	Expenditure Categories			Total
	Estimated Project Cost	Inflation %	Inflation Escalation	
2011-2012	50,000		-	50,000
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	50,000		-	50,000
Contingency 0%	-		-	-
Totals	50,000		-	50,000

PROJECT PRIORITY CATEGORY: A

PROJECT DESCRIPTION:

The existing building that houses the six (6) booster pumps for the distribution of water to the community was constructed over 50 years ago. Based on revised seismic standards over the years, it would be beneficial to have the building inspected and evaluated for compliance with current seismic standards.

The evaluation and assessment of the structural integrity of the building will most likely result in the need for some upgrades to the building. Preparation of design documents and construction would be dependent on the outcome of the inspection and assessment to be performed by a structural engineer. An order of magnitude construction cost will be identified as part of the inspection and assessment for future funding requirements.

ESTIMATED PROJECT SCHEDULE:

Evaluation and Assessment	FY 2011-2012
Design	FY 2012-2013
Construction	FY 2013-2014

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

STREET SYSTEM – (CIP 610) MULTI-PROJECT ROADWAY IMPROVEMENTS

Funding	Funding Sources		
	Developer Deposits (1)	Measure A (Special Projects)	Total
2011-2012	3,622,000	1,450,000	5,072,000
2012-2013	-	-	-
2013-2014	-	-	-
2014-2015	-	-	-
2015-2016	-	-	-
Total	3,622,000	1,450,000	5,072,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	3,901,500	-	-	3,901,500
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	3,901,500	-	-	3,901,500
Contingency 30%	1,170,500	-	-	1,170,500
Totals	5,072,000			5,072,000

(1) – An advance from City or Agency funds of \$460,000 may be necessary in anticipation of subsequent reimbursement from the developer for the 15-acre site.

PROJECT PRIORITY CATEGORY: A

PROJECT DESCRIPTION:

Traffic related impacts from proposed development projects in Foster City were identified in an Engineering Feasibility Study Final Report dated May 2009 prepared by Fehr & Peers.

Based on the traffic analysis performed for the traffic related impacts, various roadway improvements were identified to improve existing traffic operations and to accommodate the projected traffic from the new developments.

The traffic related impacts are associated with the following four (4) proposed development projects:

- Pilgrim-Triton Master Plan
- Gilead Sciences Corporate Campus Master Plan
- 15 – Acre Site (fka: Mirabella San Francisco/Parkview Plaza)
- Chess Drive Offices

The following projects are included as part of the improvements of the above four developments:

- Widen SR 92 WB On-ramp (MP #1)
- Install traffic signal interlock between FCB and Chess Drive/On-ramp (MP #2)
- Lengthen NB LT lane on FCB at Chess Drive (MP #3)
- Widen Triton Drive and modify signal at Foster City Blvd / Triton Drive (MP #5)
- Add EB lane on MCB between SR 92 and FCB (MP #6)
- Widen 92 WB off-ramp at Chess Drive (when required by Caltrans) (MP #11)

Funding for the roadway improvements is collected from the various developers based on the terms of their Master Development Agreement. In the case of the Triton Drive Widening project (MP #5), the City will apply for Measure A Special Projects Funding from the Transportation Authority. If funding is not granted, the developer for the Pilgrim-Triton Master Plan project will need to cover the cost.

ESTIMATED PROJECT SCHEDULE:

The schedule for the ten roadway improvements identified is dependent of the progress of the developments. With Gilead Sciences and Pilgrim-Triton moving forward with their projects, five of the ten roadway improvements are currently being designed and are expected to be under construction by mid to late 2012.

Phased Project Design	FY 2010-2011
	FY 2011-2012
Construction	FY 2011-2012
	FY 2012-2013

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

VINTAGE PARK OVERCROSSING PROJECT (2011-2012)

Funding	Funding Sources	
	City CIP	Total
2011-2012	150,000	150,000
2012-2013	2,000,000	2,000,000
2013-2014	-	-
2014-2015	-	-
2015-2016	-	-
Total	- 2,150,000	- 2,150,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	150,000	0%	-	150,000
2012-2013	1,600,000	3%	48,000	1,648,000
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	1,750,000		48,000	1,798,000
Contingency 20%	350,000		9,600	359,600
Totals	2,100,000		57,600	2,157,600

PROJECT PRIORITY CATEGORY: APROJECT DESCRIPTION:

The Vintage Park overcrossing was built in the early 1990's with the structure on piles and the approach ramps are designed as "hinged slabs" on grade to accommodate settlement. Because of the settlement of the approach ramps hinged slabs, repairs to the ramps are required to maintain a smooth transition between the fixed piles supported overcrossing and the flexible approach ramps.

A structural design firm will need to be hired to analyze the existing condition and to evaluate various alternatives of repair. A budget of \$150,000 is proposed for a design service consultant contract to review the existing condition, recommend repair options and prepare construction plans, specifications and cost estimates (PSE). The construction cost estimate of \$2 million is a placeholder amount subject to the results of the study performed by the consultant.

Funding will come from the City Capital Investment (CIP) Fund.

ESTIMATED PROJECT SCHEDULE:

Bridge evaluation	FY 2011-2012
Project Design	FY 2012-2013
Construction	Summer 2012

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ARTERIAL AND COLLECTOR OVERLAY PROJECT (2011-2012)

Funding	Funding Sources		
	Measure A	Prop 42	Total
2011-2012	840,000	25,000	865,000
2012-2013	-	-	-
2013-2014	-	-	-
2014-2015	-	-	-
2015-2016	-	-	-
Total	840,000	25,000	865,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	693,000	0%	-	693,000
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	693,000		-	693,000
Contingency	25%	173,300	-	173,300
Totals	866,300		-	866,300

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 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. If grant funding is available, matching funds for the local share of the Arterial Overlay Project will be provided from remaining Proposition 42 funds and Measure A revenues.

ESTIMATED PROJECT SCHEDULE:

Project Design – In-house
Construction

FY 2011-2012
Summer 2012

PROJECT PRIORITY CATEGORY: A

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

RESIDENTIAL STREET RESURFACING AND REPAIR (2012-2013)

Funding	Funding Sources		
	Measure A	Measure M	Total
2011-2012	-	-	-
2012-2013	746,000	99,000	845,000
2013-2014	-	-	-
2014-2015	-	-	-
2015-2016	-	-	-
Total	746,000	99,000	845,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	-	0%	-	-
2012-2013	655,000	3%	19,700	674,700
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	655,000		19,700	674,700
Contingency 25%	163,800		4,900	168,700
Totals	818,800		24,600	843,400

will be completed in 2011 and the data will be 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 Measure M funds.

ESTIMATED PROJECT SCHEDULE:

Project Design – In-house
Construction

FY 2012-2013
Summer 2013

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

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ARTERIAL AND COLLECTOR OVERLAY PROJECT (2013-2014)

Funding	Funding Sources			
	Measure A	Measure M	Prop 1B	Total
2011-2012	-	-	-	-
2012-2013	-	-	-	-
2013-2014	366,000	99,000	450,000	915,000
2014-2015	-	-	-	-
2015-2016	-	-	-	-
Total	366,000	99,000	450,000	915,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	-	0%	-	-
2012-2013	-	3%	-	-
2013-2014	690,000	6%	41,400	731,400
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	690,000		41,400	731,400
Contingency	25%		10,400	182,900
Totals	862,500		51,800	914,300

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. If grant funding is available, matching funds for the local share of the Arterial Overlay Project will be provided from Proposition 1B, Measure A and Measure M revenues.

ESTIMATED PROJECT SCHEDULE:

Project Design – In-house
Construction

Fall/Winter 2013-2014
Summer 2014

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

RESIDENTIAL STREET RESURFACING AND REPAIR (2014-2015)

Funding	Funding Sources		
	Measure A	Measure M	Total
2011-2012	-	-	-
2012-2013	-	-	-
2013-2014	-	-	-
2014-2015	851,000	99,000	950,000
2015-2016	-	-	-
Total	851,000	99,000	950,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	-	0%	-	-
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	695,000	9%	62,600	757,600
2015-2016	-	12%	-	-
Subtotal	695,000		62,600	757,600
Contingency 25%	173,800		15,700	189,500
Totals	868,800		78,300	947,100

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

will be completed in December 2013 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 and Measure M funds.

ESTIMATED PROJECT SCHEDULE:

Project Design – In-house
Construction

FY 2014-2015
Summer 2015

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ARTERIAL AND COLLECTOR OVERLAY PROJECT (2015-2016)

Funding	Funding Sources		
	Measure A	Measure M	Total
2011-2012	-	-	-
2012-2013	-	-	-
2013-2014	-	-	-
2014-2015	-	-	-
2015-2016	791,000	99,000	890,000
Total	791,000	99,000	890,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	-	0%	-	-
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	635,000	12%	76,200	711,200
Subtotal	635,000		76,200	711,200
Contingency	25% 158,800		19,100	177,900
Totals	793,800		95,300	889,100

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 by Measure A and Measure M funds.

ESTIMATED PROJECT SCHEDULE:

Project Design – In-house	Fall/Winter 2015-2016
Construction	Summer 2016

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

STREET SYSTEM – LED STREET LIGHT REPLACEMENT

Funding	Funding Sources	
	City CIP	Total
2011-2012	-	-
2012-2013	150,000	150,000
2013-2014	-	-
2014-2015	-	-
2015-2016	-	-
Total	150,000	150,000

Expenditures	Expenditure Categories			Total
	Estimated Project Cost	Inflation %	Inflation Escalation	
2011-2012	-	-	-	-
2012-2013	150,000	0%	-	150,000
2013-2014	-	0%	-	-
2014-2015	-	0%	-	-
2015-2016	-	0%	-	-
Subtotal	150,000	-	-	150,000
Contingency 0%	-	-	-	-
Totals	150,000	-	-	150,000

PROJECT DESCRIPTION:

The City took part in PG&E's light emitting diode (LED) street light replacement program and had 269 street lights replaced with the new third generation LED technology lights in February 2011. The new LED street lights cast a brighter, whiter light than the existing street lights, which result in better visibility. In addition, the new lights reduce energy consumption and are expected to have reduced maintenance costs (longer life = lower life cycle replacement cost).

A total of 269 street lights were replaced in non-residential areas along East Third Avenue and Foster City Boulevard at a cost of approximately \$160,000, which included PG&E rebates and volume discounts. To continue with the street light replacement program, 223 street lights have been identified along East Hillsdale Boulevard, Beach Park Boulevard, and a portion of Foster City Boulevard for replacement with the new LED lights.

PROJECT PRIORITY CATEGORY: BESTIMATED PROJECT SCHEDULE:

Bid, Award, Construct

FY 2012-2013

Other Funding Sources

- Energy Efficiency Block Grants
- PG&E Rebates

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

CITY BULKHEAD REPAIR AND CORROSION PROTECTION (2014-2015)

Funding	Funding Sources	
	CIP City	Total
2011-2012		-
2012-2013	-	-
2013-2014	-	-
2014-2015	100,000	100,000
2015-2016	-	-
Total	100,000	100,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012			-	-
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	73,000	9%	6,600	79,600
2015-2016	-	12%	-	-
Subtotal	73,000		6,600	79,600
Contingency 25%	18,300		1,700	20,000
Totals	91,300		8,300	99,600

PROJECT PRIORITY CATEGORY: CPROJECT DESCRIPTION:

This project provides for inspection and repair/maintenance of City owned lagoon bulkheads. City owned lagoon bulkheads are located at parks (Leo J. Ryan, Boat, and Catamaran); at

bridges to the islands in Neighborhoods 1, 2, and 3; under the Shell Boulevard and Foster City Boulevard bridges; at the intake structure; and at the Drainage Pump Station. The bulkheads were constructed to protect waterfront property and bridges from erosion. They are constructed of aluminum, treated wood, vinyl, and concrete.

City owned aluminum and vinyl bulkheads incorporate a cathodic protection system (CPS) to protect metallic bulkhead components from corrosion. The initial phase of the proposed project will consist of specialty engineering and inspection services to assess the condition of City-owned bulkheads and to check and provide preventive maintenance to cathodic protection systems, as required. The follow-up phase of the project includes miscellaneous repair work to bulkheads, based on the results of the inspection and engineering evaluation. Repairs may include crack repair, patching work, and replacement of bulkhead tie rods and anchors.

ESTIMATED PROJECT SCHEDULE:

Inspection and Engineering	FY 2014-2015
Evaluation/CPS Maintenance	
Follow-up Repair Work and	FY 2015-2016
Construction	

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

LEVEE/PEDWAY IMPROVEMENTS AND REPAIRS (2011-2012)

Funding	Funding Sources	
	CIP City	Total
2011-2012	625,000	625,000
2012-2013	-	-
2013-2014	-	-
2014-2015	-	-
2015-2016	-	-
Total	625,000	625,000

- Removal and replacement of failed asphalt
- Seal coating
- Crack sealing
- Asphalt top coating
- Refurbishment of the walking track
- Adjustment of surface grades in select areas

The project is estimated to total \$2,200,000. With previous funding of \$1,575,000 through FY 2010-2011, additional funding in the amount of \$625,000 is required to complete Phase III of the project as indicated below.

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	500,000		-	500,000
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	500,000		-	500,000
Contingency 25%	125,000		-	125,000
Totals	625,000		-	625,000

A boundary survey was completed for \$100,000 as part of the preliminary design work. Phase I was completed in FY 2010-2011, 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 includes the section from Foster City Blvd./Beach Park Blvd to the west end of the Lantern Cove development and is currently under construction.

Phase III would include the area between the west end of Lantern Cove and the south end of Shell Cove. Total appropriations of \$625,000 for Phase III, combined with previous funding, will allow for the completion of the project.

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

ESTIMATED PROJECT SCHEDULE

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

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PARK INFRASTRUCTURE IMPROVEMENTS (2011-2012)

Funding	Funding Sources		
	CIP City	Total	
2011-2012	250,000	250,000	
2012-2013	-	-	
2013-2014	-	-	
2014-2015	-	-	
2015-2016	-	-	
Total	250,000	250,000	

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	220,000	0%	6,600	226,600
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	220,000		6,600	226,600
Contingency 10%	22,000		700	22,700
Totals	242,000		7,300	249,300

PROJECT PRIORITY CATEGORY: C

POSSIBLE FUNDING SOURCES:

1. Capital Investment – City Fund

PROJECT DESCRIPTION

1. Taurus Drive Easement Landscape Renovation - \$140,000

One hundred and twelve (112) Myoporum trees and one hundred and fifty one (151) Myoporum shrubs along Taurus Drive are severely affected by Myoporum Thrip infestations and recommended for removal. Parks Staff has progressively and proactively continued to monitor this area and added Escallonia Fradesii shrubs on the East Hillsdale Blvd. side along the sidewalk. This has helped to reduce bare areas but as more plants die off, bare spots are increasingly noticed and will need to be filled in with new plants in order to maintain screening. Work will include the following:

Demolition Plan – Requires the removal of one hundred and twelve (112) dead or dying Myoporum tree/shrubs and three (3) Pine trees along the center of the Taurus Drive Easement. Also, removal of one hundred fifty-one (151) Myoporum dead or dying shrubs along the Taurus Drive Easement will be done. Note: This will involve the removal of all existing plant material and irrigation systems on this easement and will include the removal of existing Escallonia Fradesii shrubs along the south side of East Hillsdale Blvd.

Replacement/Enhancement Plan – New soil will be installed with additional soil amendments. A new C.I.S (Central Irrigation System) will also be installed and will include replacement of drip tubing/soaker irrigation hose with modern irrigation heads that will be installed

along all newly planted areas. Removed Myoporum and Pine trees will be replaced with thirty (30) Sequoia Redwood 'Soquel' trees (48" box) and will be planted in the center of the easement. Removed Myoporum shrubs will be replaced with three hundred fifty (350) 15-gallon Escallonia Fradesii shrubs. One hundred and seventy-five (175) will be planted in a row on each side of the easement.

Screen backflow device and irrigation valve area – A 4 ft tall by 10 ft long redwood fence will be installed midway on the south side of the easement along the curb. This will “hide” irrigation equipment and allow access to backflow or valve boxes for maintenance and repairs by certified City staff.

Maintenance Schedule

- A. General litter control and refuse removal (weekly)
- B. Weed control and cultivation (mechanically and chemically)
- C. Shrub trimming, pruning and training
- D. Tree pruning (2 years)
- E. Irrigation system monitoring, maintenance and repair (weekly)
- F. General pest control
- G. Fertilization (semi-annual)

Estimated annual maintenance and irrigation costs – Staff projects no additional maintenance costs associated with the Taurus easement improvements. This easement is currently maintained under our existing median maintenance contract and monitored by parks maintenance staff.

Sound Wall Option - A sound wall option has been evaluated as an alternative. This would include the installation of cemented cinder blocks or sectional concrete panels. The installation of prefabricated concrete panels is a more efficient type of construction. A prefabricated interchanging sectional wall can be installed similar to East Hillsdale Blvd. at Pilgrim Drive or similar to the sound wall that is seen at Edgewater Blvd. from Port Royal to Pitcairn Drive. The total size and length of this wall would be approximately 600 ft. long, 10 ft. tall and 1 ft. wide. The initial cost estimate with landscape screening is approximately \$200,000. Staff is not recommending this as an alternative for the Taurus easement improvement.

Projected Timeline

- Demo and site prep – August through September 2011
- Landscape work – September through October 2011

2. **Little Leo Park Renovation - \$80,000**

This small neighborhood park has not been renovated in the past twenty-five (25) years. Five years ago, two Eucalyptus trees were removed because of storm damage. Broken limbs fell on a fence causing private property damage.

Three (3) Myoporum trees have also been removed because of Myoporum Thrip disease infestations. Over the years, existing natural grass turf has been infested by an undesirable grass species which is brown and dormant for most of the year, creating an “eye sore”. An entire removal of old natural grass turf and shrubs will be done. New soil amendments, turf, and shrubs

will be installed along with a new C.I.S. Central Irrigation System. Five (5) small trees, with drip system irrigation, will also be planted. Other amenities will include two (2) new benches, and a new concrete walkway.

Staff anticipates no additional maintenance costs associated with Little Leo Park renovation as it is currently maintained with existing parks maintenance resources.

Projected Timeline

- Demo and site prep – August through September 2011
- Landscape work - September through October 2011

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PARK INFRASTRUCTURE IMPROVEMENTS (2012-2013)

Funding		CIP City	Total
2011-2012		-	-
2012-2013		400,000	400,000
2013-2014		-	-
2014-2015		-	-
2015-2016		-	-
Total		400,000	400,000

Expenditure Categories				
Expenditures	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	-	0%	-	-
2012-2013	350,000	3%	10,500	360,500
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	350,000		10,500	360,500
Contingency	10%	35,000	1,100	36,100
Totals	385,000		11,600	396,600

PROJECT PRIORITY CATEGORY: C

POSSIBLE FUNDING SOURCES:

1. Capital Investment – City Fund

PROJECT DESCRIPTION

1. **Parking Lot Resurfacing - \$250,000.** Resurfacing the city owned parking lots should be done every five to seven years. Maintenance items that are necessary to keep the

parking-lots in good condition include: Removal and replacement of failed and root-damaged asphalt, installation of root barriers, slurry seal, and line striping. 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/ 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

PARK INFRASTRUCTURE IMPROVEMENTS (2013 -2014)

Funding	Funding Sources	
	CIP City	Total
2011-2012	-	-
2012-2013	-	-
2013-2014	245,000	245,000
2014-2015	-	-
2015-2016	-	-
Total	245,000	245,000

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012		0%	-	-
2012-2013	-	3%	-	-
2013-2014	210,000	6%	12,600	222,600
2014-2015	-	9%	-	-
2015-2016	-	12%	-	-
Subtotal	210,000		12,600	222,600
Contingency 10%	21,000		1,300	22,300
Totals	231,000		13,900	244,900

PROJECT PRIORITY CATEGORY: C

PROJECT DESCRIPTION1. **Basketball and Tennis Court Resurfacing - \$210,000.**

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) basketball courts and seven (7) tennis courts will be in need of repairs (date of last resurfacing is shown below):

- a. Edgewater Park – 5 tennis courts (2006)
- b. Catamaran Park – 2 tennis courts (2006)
- c. Catamaran Park – 1 basketball court (2006)
- d. Boothbay Park – 1 basketball court (2006)

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

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

Funding	Funding Sources			
	CIP City	Total		
2011-2012	-	-		
2012-2013	-	-		
2013-2014	-	-		
2014-2015	395,000	395,000		
2015-2016	-	-		
Total	395,000	395,000		
Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	-	0%	-	-
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	300,000	9%	27,000	327,000
2015-2016	-	12%	-	-
Subtotal	300,000		27,000	327,000
Contingency 20%	60,000		5,400	65,400
Totals	360,000		32,400	392,400

PROJECT PRIORITY CATEGORY: C

PROJECT DESCRIPTION

- Cul-de-sacs Refurbishment Phase I – Irrigation Controllers upgrade - \$300,000.** The total project proposal is to refurbish 28 cul-de-sacs totaling approximately 10 acres of landscaped areas in four phases. This would include replacing lawn and shrub areas with drought tolerant, low maintenance planting,

including irrigation upgrade with water conserving nozzles and installation of Central Irrigation System controllers 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 would be a multi-year/multi-phase project.

This **Phase I** of the project includes: Replace Irrigation Controllers and Electrical Cabinets in these 28 cul-de-sacs with central irrigation control units. This would include electrical upgrades and concrete work for installation of new cabinets. Funding for phase I of this project is estimated to be **\$300,000**.

The following phases would be scheduled starting in FY 2021-2022 and subsequent years:

Phase II would include replacing the Irrigation Controllers in the 16 Georgian Squares. Estimated cost \$150,000.

Phase III would include replacing lawn areas w/drought tolerant plantings in 12 cul-de-sacs including: Sunfish, Mullet, Bluefish, Shad, Sandpiper, Stilt, and Puffin. Estimated cost \$150,000.

Phase IV would include upgrading remaining 16 cul-de-sacs w/drought-tolerant landscaping. Estimated cost \$150,000.

Total estimated project cost over 4 phases is: \$750,000.

CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PARK INFRASTRUCTURE IMPROVEMENTS (2015-2016)

Funding	Funding Sources	
	City CIP	Total
2011-2012	-	-
2012-2013	-	-
2013-2014	-	-
2014-2015	-	-
2015-2016	45,000	45,000
Total	45,000	45,000

PROJECT DESCRIPTION

Boardwalk Re-finishing and Re-sealing - \$30,000. 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. This was last done in 2010.

Expenditures	Expenditure Categories			
	Estimated Project Cost	Inflation %	Inflation Escalation	Total
2011-2012	-	-	-	-
2012-2013	-	3%	-	-
2013-2014	-	6%	-	-
2014-2015	-	9%	-	-
2015-2016	30,000	12%	3,600	33,600
Subtotal	30,000		3,600	33,600
Contingency 25%	7,500		900	8,400
Totals	37,500		4,500	42,000

PROJECT PRIORITY CATEGORY: C

POSSIBLE FUNDING SOURCES:

1. Capital Investment – City Fund