

# 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 and 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 2023-2024.

## **Ongoing Projects:**

### **(CIP 301-635, Budget \$919,169) Median Modifications – Foster City Boulevard at Chess Drive – Multi-Project #3 (2013-2014)**

The project addresses improvements at the intersection of Foster City Boulevard and Chess Drive. The project includes lengthening the northbound left-turn lanes on northbound Foster City Boulevard at Chess Drive to reduce the likelihood of traffic queues extending out of the turn lanes into the through traffic lanes on Foster City Boulevard.

On August 4, 2014, the City Council adopted Resolution No. 2014-86 authorizing an agreement with BKF Engineers, Inc. to prepare construction contract documents and provide construction support services for both CIP 301-635 and CIP 301-637 due to the scope similarities and proximity to each other. Design is complete and the Caltrans encroachment permit has been issued to the City. An easement agreement has been executed between Gilead Sciences and the City to allow for the construction of the improvements.

The Multi-Project Roadway Improvements were funded by four large developments based on each development's contribution to traffic impacts. The funds were identified in each development's Master Development Agreement and were allocated to CIP 301-635 and CIP 301-637. Construction is anticipated to commence in summer 2024.

#### *Project Timeline:*

Design: Completed

Construction: FY 2024-2025

**(CIP 301-637, Budget \$2,690,000) Road Widening - Foster City Boulevard and Chess Drive – Multi-Project #4, #7, and #8 (2013-2014)**

The project addresses improvements at the intersection of Foster City Boulevard and Chess Drive. The improvements include adding a northbound right-turn lane on Foster City Boulevard at Chess Drive; lengthening the westbound left turn lane on Chess Drive at Foster City Boulevard; and adding a westbound lane on Chess Drive east of Foster City Boulevard.

On August 4, 2014, the City Council adopted Resolution No. 2014-86 authorizing an agreement with BKF Engineers, Inc. to prepare construction contract documents and provide construction support services for both CIP 301-635 and CIP 301-637 due to the scope similarities and proximity to each other. Design is complete and the Caltrans encroachment permit has been issued to the City. An easement agreement has been executed between Gilead Sciences and the City to allow for the construction of the improvements.

The Multi-Project Roadway Improvements were funded by four large developments based on each development's contribution to traffic impacts. The funds were identified in each development's Master Development Agreement and were allocated to CIP 301-635 and CIP 301-637. Construction is anticipated to commence in summer 2024.

*Project Timeline:*

Design: Complete

Construction: FY 2024-2025

**(CIP 455-652, Budget \$154,294,219) Wastewater Treatment Plant Master Plan Improvements (2015-2016)**

In 2022 (year 9), the CWP continued to focus on the construction phase of the WWTP project to assist with full project delivery and execution of major improvement projects. Some notable accomplishments include the following:

WWTP Upgrade & Expansion Project

- Submitted the quarterly reports for Water Infrastructure Finance and Innovation Act (WIFIA) loan compliance.
- RHAA (Consultant) completed the final design for the WWTP interpretive signs.
- Continued revisions to the WWTP Final Parcel Mat to comply with right of way dedications.

GMP-1 (Site Preparation, Electrical and Storm Drain System Improvements for GMP3)

- Continued project closeout.

GMP-2 (Foundations for GMP3)

- Continued project closeout.

GMP-3 (Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion)

- Completion of the installation of the Membrane Permeate (MP) line and the Secondary Effluent line (SE) in the East Corridor.
- Completion of formwork, rebar installations and concrete pours for the walls and decks in all of the process areas including Area 51 (headworks); Area 52 (Primary clarifiers); Area 54 (Bio-Actiflo); Area 55 (BNR); Area 56 MBR; Area 64 (Odor Control); and Area 70 (Chemical Storage Area).
- Completion of the Administration Building including exterior framing, installation of roof, window and interior walls, utilities, exterior siding and installation of interior improvements.
- Continued the installation of electrical and mechanical equipment in Areas 51, 52, 53, 55, 56, 64, and 70.
- Continued the installation of the canopy and tanks in Area 70
- Continued the installation of exterior and interior improvements for the new Warehouse.
- Completed the improvements to the Sodium Hypochlorite System.

- Continued the installation of improvements to the Sodium Bisulfate System
- Continued the improvements to the Chlorine Contact Basins.
- Completed the leak testing and protective coating for all the Area 51 basins and channels.
- Installed the primary screens, grit chambers, and grit wash equipment in Area 51
- Began leak testing of the basins in Areas 52, 53, 55 and 56.
- Completed the installation of the fire protective loop in Detroit Drive.

#### Immediate Action Project Package 2 – Improvements to the solids processes

- Completed modifications to the new hopper.
- Worked with the contractor to implement recommendations to resolve the cake pump and hopper sensor issues.
- Immediate Action Project Package 3 – Improvements to the effluent pump station, site waste pump station, and sludge heating and recirculation pumping. Awarded the Construction Contract to Mountain Cascade in May 2023 (first 6 months of contract is procurement).
- Procured Townsend Management to provide Construction Management services.

#### Annual Major Components 6 & 23

- Natural Gas Pipeline Replacement (6 & 23) (replace existing 3-inch gas line) - Completed the project in November 2022.
- Digester Transfer Pump Improvements: Construction award November 2023
- 3 Water Pumping and Ferric to Combined Sludge Improvements: 60% design submittal provided by Carollo.
- Other AMC Packages: Biosolids and Energy Management Plan; DAFT Corrosion Improvements; Digester 1 Improvements; Centrifuge and Centrifuge Feed Pump Replacement; Solids Handling Systems I&C Improvements

Erler & Kalinowski, Inc. is continuing to provide technical support services for EMID. Foster City's share of the CWP is estimated at \$164 million dollars over the life of the project.

#### *Project Timeline:*

Design: Ongoing

Construction: Ongoing through FY 2024-2025

#### **(CIP 327-657 (formerly CIP 301-657), Budget \$95,000,000) Levee Protection Planning and Improvements Project (2015-2016)**

The project has achieved a major flood protection milestone: As of July 19, 2023, all of the flood protection elements for the project have been completed. The required documentation has been submitted to FEMA to meet the accreditation necessary for updating the flood insurance rate maps (FIRM).

The Bay Trail was re-opened to the public in three different phases:

1. Phase 1 (Southern portion of project to Shorebird Park) - Opened March 27, 2023.
2. Phase 2 (Shorebird Park to Bridgeview Park) - Opened August 23, 2023
3. Phase 3 (Bridgeview Park to the City limits at the Mariner's Point Golf Course) - Opened October 7, 2023.

Project substantial completion was issued on October 6, 2023. Punch list items have been completed, and final completion is anticipated to be issued in February 2024. Remaining work includes post construction landscape maintenance over the first year following plant installation; post-construction environmental monitoring for three years; easement acquisition at the various access points that abut up against private developments; irrigation and landscaping adjustments at adjacent properties; pursuit of FEMA accreditation; and establishment of a corrosion monitoring schedule for the sheet pile wall post construction.

#### *Project Timeline:*

Design: Complete

Construction: Complete

**(CIP 405-660, Budget \$5,800,000) Water Tanks and Facilities Improvements (2016-2017)**

The water storage tanks provide water storage for emergencies, peak use periods, and firefighting. The project addresses improvements to the three steel water storage tanks and the water booster pump station.

On April 4, 2020, the District Board adopted Resolution No. 3508 authorizing the combining of the Water Tanks Improvements Project (which was comprised of CIPs 405-660, 405-670, and 405-688) with 405-687 Seismic Improvements at Water Booster Pump Station Project; and renaming the project CIP 405-660 Water Tank and Facilities Improvements Project. The scope of work of the combined projects consists of (1) refurbishing the 3 steel tanks by repairing corroded steel and applying new coating to the interior and exterior surfaces; (2) installing water mixing devices inside the 3 steel tanks to prolong water quality; (3) seismically retrofitting the existing drainpipes and installing new drainpipe at the side of the tanks; and (4) reinforcing the door frame to the water booster pump station and installing flexible connections on the underground utilities entering the building.

On November 6, 2023, the District Board adopted resolution 3748 awarding the project to Manito Construction. Construction began in February 2024 and is expected to continue into spring of 2025.

*Project Timeline:*

Design: Completed

Construction: FY 2023-2024-FY 2024-2025

**(CIP 301-677, Budget \$120,000) Library Exterior Wall Sealing and Tile Installation (2017-2018)**

This project will complete the Library building exterior improvements on the southwest side of the building. Staff has cured prior water intrusion issues by removing soil away from the northwest wall of the building. Half of the area has been re-landscaped in house by Parks staff into an attractive drought tolerant and water efficient habitat garden.

This project will provide for permanently removing the earth around the southwest wall of the library building, sealing the wall, installing wall drains and drainpipes, re-grading the earth around the exterior of the building, removing trees, and installing new landscaping and sidewalk on the north side of Civic Center Drive. The roots of the trees adjacent to the north wall of the library could contribute to water intrusion as well as eventual long-term damage to the building structure in the future. This CIP would also remove the trees.

Funding in the amount of approximately \$38,000 from this project was utilized in FY 2023-2024 to improve the curb ramps at the Library/Community Center building to current Americans with Disability Act (ADA) standards.

*Project Timeline:*

Design: FY 2025-2026 Construction: FY 2026-2027

### **(CIP 301-678, Budget \$55,374,250) Recreation Center Rebuild Project (2017-2018)**

On January 23, 2019, the City Council accepted the Final Recreation Center Master Plan Conceptual Design Report. On January 31, 2022, the City Council directed staff to 1) Accept the Recreation Center and Parks System Survey results; 2) Proceed with a “build-to-budget” option for the Recreation Center in an amount not-to-exceed \$55 million; and 3) Proceed with utilizing \$36 million from the Capital Asset Acquisition and Replacement Fund and \$19 million from the General Fund Reserves for the total not-to-exceed budget of \$55 million for rebuilding the Recreation Center.

On November 21, 2022, the City Council awarded an agreement with Group 4 Architecture, Research + Planning, Inc. (“Group 4”) for professional design, bidding, and construction support services. The design phase began in January 2023 with the award of a construction management contract going to Griffin Structures.

On September 18, 2023, the City Council accepted the schematic design budget estimate and provided direction on additional project enhancements. The City Council approved the temporary facilities and transition plan on November 6, 2023.

The current Project budget estimate is \$65,943,000. The City Council originally appropriated \$55,000,000 to the existing \$300,000 planning budget, then added an appropriation of \$74,250 on 4/17/2023 for Boardwalk Master Planning Services. The remaining \$9,559,750 is included from a number of sources in the FY 2024-2025 CIP.

The design is anticipated to be completed in the Spring of 2024. Construction is anticipated to begin in September 2024 and is estimated to take 22 months.

#### *Project Timeline:*

Pre-Design/Design: FY 2022-2023 – FY 2023-2024

Construction: FY 2024-2025 – FY 2026-2027

### **(CIP 301-682, Budget \$484,500) Park System Master Plan (2018-2019)**

The project was created in Fiscal Year 2018-2019 to develop a strategic comprehensive plan for maintenance, replacement and upgrade of the City’s individual parks and park system as a whole.

In December 2018, the City Council adopted Resolution No. 2018-107 authorizing an agreement with Placeworks, Inc. to prepare the Parks Master Plan Study. On April 15, 2019, City Council by Minute Order No. 1599, accepted a report on the status of the Parks Master Plan Study, after which it discharged Placeworks from the remainder of the scope of work of their agreement and directed Staff to continue to maintain and replace park infrastructure “as is.” The project was deprioritized during the Covid pandemic.

In Spring 2021, the City Council expressed a renewed interest in engaging a consultant to prepare a strategic and comprehensive Parks Master Plan. Additional funds were approved in the FY 2021-2022 Annual Budget, specifically for the purpose of increasing community engagement for the project. On January 31, 2022, the City Council accepted the Parks Survey results. On December 18, 2023, the City Council .approved issuing an RFP for consulting services for the study which is underway.

#### *Project Timeline:*

Community Engagement/Survey: November/December 2021

Plan Development: FY 2023-2024 and on-going

**(CIP 301-685, Budget \$2,040,000) HVAC Improvements in City Buildings (2018-2019)**

Due to the age of the Heating/Ventilation/Air Conditioning (HVAC) system at the Corporation Yard and changes in HVAC technology for this type of office building, the existing system cannot be refurbished and needs to be replaced.

This project consists of HVAC improvements to the Government Center Building (inclusive of the space occupied by the San Mateo Consolidated Fire Department), the Corporation Yard Administration Building, and the Police Station.

This project is currently being monitored and prioritized based on staff capacity.

*Project Timeline:*

Design/Construction: 2024/2025 to 2025/2026

**(CIP 301-690, Budget \$550,000) Seismic Improvements at Lagoon Pump Station (2019-2020)**

The Lagoon Pump Station located at the City/District's Corporation Yard houses two (2) engines and pumps used to pump water from the lagoon to the bay and controls the water level in the lagoon.

G&E Engineering Systems, Inc., completed a seismic vulnerability assessment of the building in 2013. The assessment concluded that the building meets the seismic code and recommended various improvements including (1) reinforcing the door frame of the roll-up door, (2) isolating the tidal channel walls from the north walkway of the building, (3) installing flexible connections on the underground utilities entering the building, and (4) securing equipment within the building. In addition, following an investigation of the building in summer 2019, staff identified significant areas of spalling concrete and rusting reinforcing steel (rebar) along the concrete walkway connected to the building.

In April 2020, the City Council awarded a contract to Murray Smith to perform professional engineering services for the project. Murray Smith prepared a preliminary design report in May 2021, validating the 2013 study, which included recommendations to perform a future in-depth evaluation to include additional structural evaluation of the building and below water structures based on current building code standards beyond the scope of this project and provided temporary repair recommendations for the walkway until a comprehensive assessment could be performed. A separate CIP (CIP 301-718) has been created to address the rehabilitation of the lagoon pump station building in its entirety including addressing the reinforcement of the door frame and concrete walkway. This project will address items #2-4 from the original assessment. This project was put on hold in calendar year 2022 while staffing vacancies were being filled in the Engineering Division.

On November 6, 2023, the City Council adopted resolution 2023-106 awarding the project to Manito Construction. Construction began in February 2024 and is expected to run into spring of 2025.

*Project Timeline:*

Design: Complete

Construction: FY 2023-2024 - FY 2024-2025

**(CIP 455-695, Budget \$1,800,000) Lift Station 59 Effluent Line Improvements (2020-2021)**

The project consists of improvements to the effluent line at Lift Station 59, located in the District's Corporation Yard, including replacing the existing ultrasonic effluent flow meter with a new electromagnetic flow meter; installing a permanent emergency bypass to provide operational flexibility and redundancy; and replacing the existing 24" ball valve on the discharge force main.

On February 1, 2021, the EMID Board approved the award of engineering design services to BKF Engineers.

On June 20, 2023, the EMID Board rejected the sole construction bid due to it being well above the engineer's estimate and approved further design work to clarify plans and specifications. The project is expected to be rebid and completed in 2024.

*Project Timeline:*

Design: Ongoing

Construction: FY 2023-2024 – FY 2024-2025

**(CIP 455-696, Budget \$900,000) Sanitary Sewer System Improvements (2020-2021) - (On Hold)**

The scope of the project includes the replacement, rehabilitation, reconstruction, and new installation of sanitary sewer pipelines and manholes at three (3) locations. The work was bid as options in the completed CIP 455-611 Sanitary Sewer System Improvements Project; however, the options were not exercised due to budgetary constraints.

On January 4, 2021, the EMID Board of Directors adopted Resolution No. 3553 authorizing an agreement with HydroScience Engineers, Inc. to prepare construction contract documents and provide construction support services. The construction contract documents are 90 percent completed.

Improvements made as a part of CIP 611 (which replaced upstream pipelines) appear to have effectively resolved the previously existing issues. The location is being monitored by Wastewater maintenance staff and the project is currently on hold while other priority projects are addressed.

*Project Timeline:*

Design: On Hold

Construction: On Hold

**(CIP 301-698, Budget \$625,000) Traffic Signal System Upgrades (2020-2021)**

The City's traffic signal system was evaluated as part of the Bicycle, Pedestrian, and Intersection Evaluation Study (CIP 301-664). This part of the study focused on inventory of the existing traffic signal infrastructure network and identified opportunities to improve efficiency through either equipment or operations enhancements. This project is built upon recommendations from CIP 301-664 and will include the following tasks for design and construction:

1. Citywide Communications Upgrade
2. Traffic Signal Field Hardware
  - a. Vehicle and Pedestrian Signal Heads Replacement - This will require replacement of the traffic signal and pedestrian framework and installation of new light-emitting diode (LED) indications will refresh the City's traffic signal equipment.

- b. Accessible Pedestrian Signals (APS) Replacement - This will require each APS unit (pedestrian push button) to be hardwired individually back to the traffic control cabinet.
3. Traffic Signal Cabinets Upgrade to NEMA TS-2 - Upgrade will maximize detection input opportunities (64-channels) and offer robust maintenance features that can be viewed at the central computer system.
4. Traffic Signal Controllers Replacement - Replacement of the existing traffic signal controllers that use either Ethernet or Fiber Optic cables will provide the City with the option to implement enhanced features.
5. Advanced Traffic Management System (ATMS) (Central Computer System Upgrade) - A new ATMS Central Computer System will provide an enhanced user interface with access to special functions such as traffic signal coordination, basic timing data access and modification, historical data queries, and user account privileges.

The City needs to consider how best to upgrade its network and potentially introduce enhancement of additional City services. Due to the complexity of the project, a technical memorandum will be prepared by a professional traffic engineering consultant that will compare the various upgrade alternatives and associated costs, provide recommendations for the preferred system based on the City's current and future needs, recommend a phasing plan for design and construction of the improvements, and prepare a schedule for implementation. A Technical Memorandum will be prepared by one of the City's on-call Traffic Engineering firms.

*Project Timeline:*

Technical Memorandum: FY 2024-2025

Design: FY 2024-2025 – FY 2025-2026

Construction: FY 2025-2026

**(CIP 301-699, Budget \$200,000) Corporation Yard Workshops Exterior Paint (2020-2021)**

The Building Maintenance Division maintains the quality of interior and exterior paint on all City facilities. Periodically, City facilities require comprehensive paint replacement. The salt air where the Corporation Yard is located along the San Francisco Bay is especially hard on exterior paint.

The Corporation Yard Shops were last painted in 2007 and are due to be repainted to protect and maintain the overall appearance of the building. Repairs to the building exteriors, such as replacing dry-rotted wall sheathing was completed as part of CIP 301-693 Roof Replacements Project.

*Project Timeline:*

Completion: FY 2024-2025

**(CIP 301-700, Budget \$3,077,946) Fuel Systems Improvements (2021-2022)**

The project consists of the replacement of two 10,000 gallon underground unleaded fuel storage tanks (UGSTs), at the Corporation Yard entrance; two 5,000 gallon above ground diesel fuel storage tanks (AGSTs) in a covered, concrete vault immediately adjacent to and west of the lagoon pump station building; and one 210-gallon day tank for diesel fuel, located inside the lagoon pump station building.

A preliminary assessment of the City's fuel systems was performed in FY 2021-2022 confirming the need for complete replacement of both the diesel and unleaded systems. On January 17, 2023, the City Council approved the issuance of an RFP for professional design services. On May 1, 2023, the City Council approved a design agreement with TAIT Environmental Services for design of the project. Project design is underway and expected to be completed in Fall of 2024.

*Project Timeline:*

Preliminary Assessment: Complete

Design: FY 2023-2024 – FY 2024-2025

Construction: FY 2024-2025- FY 2025-2026

**(CIP 405-704, Budget \$1,250,000) Large Water Meter Replacements (2021-2022)**

The project consists of the removal and replacement of various large water meters throughout the District. A survey that was conducted in 2022 identified several large water meters that are due for replacement. These meters are currently under-registering and do not account for the full cost of water usage. Due to their size and lay length differences, many will require new meter boxes and reconfiguration of piping to and from the new meters, and therefore cannot be performed in house by staff.

The Water Maintenance Division has replaced one (1) 4" (large) meter and six (6) 3" meters over the past couple of years and will continue its efforts to replace those meters that can be done in house.

Staff has analyzed and prioritized a list of water meters based on factors such as remaining useful life, the greatest calculated lost revenue, and performance. It is anticipated that following replacement of these inaccurate meters, EMID could recover the cost of replacing most of the meters within a few years.

The scope of the project previously was comprised of 3 other small projects that were identified as part of the Water Distribution System Master Plan and by the Maintenance Division during routine maintenance activities. The first included a valve replacements project. The Valve Replacements Project was identified as a separate project in the five-year CIP during the FY 2023-2024 budget process. Two additional projects (1) Pipeline extension at East Hillsdale Boulevard, and (2) Water Transmission Pipeline Condition Assessment have been moved into their own CIP projects this year, to provide greater flexibility for project management as the project timelines differ.

*Project Timeline:*

Condition Assessment: FY 2023-2024 to FY 2024-2025

Construction: FY 2024-2025

**(CIP 455-705, Budget \$2,300,000) Emergency Generator Replacements (2021-2022)**

This project addresses the replacement of certain emergency generators and automatic transfer switches that are located at 10 of the District's wastewater lift stations and are at the end of their useful life as follows: the emergency generators and automatic transfer switches at Lift Stations 10, 12, 14, 15, 16, 29, 43 and 59 and the emergency generator only at Lift Stations 22 and 26. In June 2022, staff issued an RFP to procure the services of a design firm to address the replacement of the emergency generators and transfer switches for 3 locations (LS 22, 29, and 59) that required accelerated replacement due to frequent repairs being required. On August 15, 2022, the District Board adopted EMID Resolution 3672 approving a professional services agreement with Freyer & Laureta, Inc for design services. Design is anticipated to be completed by Fall 2024 with construction to follow.

*Project Timeline:*

Design: On-going

Construction: FY 2025-2026

**(CIP 301-707, Budget \$500,000) Install Rear Security Gates (2022-2023)**

The project includes purchase and installation of security gates for the safety of public and for emergency vehicle movement in the driveway behind the Police Station/Fire Station/City Hall. In addition to the gates themselves, the project will require loop detectors, UL-required safety devices, and local controls as well as electrical and concrete work, which could include curb modifications and trenching/back filling for power and control wiring.

*Project Timeline:*

Design: FY 2024-2025

Construction: FY 2025-2026

**(CIP 301-708, Budget \$800,000) Renovate Elevators in City Buildings (2022-2023)**

The project addresses replacing essential elevator components in City buildings. The components are experiencing an increasing number of failures as they age and replacement parts are difficult or impossible to procure. This project is currently planned to be in design in FY 2024-2025.

*Project Timeline:*

Design: FY 2024-2025

Construction: FY 2024-2025

**(CIP 455-710, Budget \$500,000) Shell Bridge Sanitary Sewer Force Main Rehabilitation (2022-2023)**

The project will address the rehabilitation or replacement of the 16" cast iron force main attached to the Shell Bridge.

In May 2023, thickness testing along the pipe span was performed to evaluate the current condition and determine the feasibility of lining it to extend its service life. A draft TM has been prepared documenting the field investigation findings. A basis of design report will be prepared to evaluate rehabilitation and/or replacement alternatives. Design is estimated to begin in Summer 2024. The construction target date is summer 2025.

*Project Timeline:*

Design: FY 2023-2024 to FY 2024-2025

Construction: FY 2024-2025 to FY 2025-2026

**(CIP 301-711, Budget \$130,000) Police Station Kitchen Remodel (2023-2024)**

The project addresses the remodeling of the breakroom and the kitchen located within the Police Station. An overhaul of the kitchen to install new cabinets, countertops, sink, appliances, additional storage, and to repair the adjacent wall, will address many issues identified by users of the space. Additionally, the breakroom area will be reconfigured to optimize the use of the space to accommodate employees while eating. The remodel proposes removing an adjacent storage room, that has been underutilized, to expand the breakroom/kitchen space and allow for more usable space. This project is currently being assessed and prioritized based on staff capacity.

*Project Timeline:*

Design/Construction: Under evaluation

**(CIP 301-712, Budget \$900,000) Edgewater Park Softball and Soccer Synthetic Turf Resurfacing (2023-2024)**

The project will address the full replacement of the turf surface of the softball/soccer field that was installed in FY 2012-2013 to maintain the integrity of this highly used field. On October 16, 2023, City Council adopted Resolution 2023-98 awarding Verde Design, Inc. a Professional Services Agreement in the amount of \$49,800 to provide professional design services, bidding support, and construction support for the project. Design was completed in early 2024 and construction will begin summer 2024.

*Project Timeline:*

Design: Completed

Construction: FY 2024-2025

**(CIP 301-713, Budget \$250,000) Light installation at Boothbay Park (2023-2024)**

This project will enhance the accessibility and utilization of the Tennis Courts at Boothbay Park by installing new infrastructure and appropriate lighting system. The addition of lights will expand the hours that the community and user groups can take advantage of the tennis courts and increase overall capacity in the City for greater play.

*Project Timeline:*

Design: FY 2024-2025

Construction: FY 2024-2025

**(CIP 301-714, Budget \$300,000) Sea Cloud Maintenance Shed (2023-2024)**

The Sea Cloud Park maintenance facility serves as the central hub for storing both light and heavy park maintenance equipment, providing a dedicated workspace and break area for staff, and offering storage accommodations for sports user groups. Despite undergoing multiple roof repairs to combat persistent leaks, the building has incurred significant dry rot and underlying structural challenges over time. Recognizing these deficiencies, the primary objective of the upcoming project is to replace the structure. An initial structural assessment was conducted as a part of CIP 301-693 Roof Replacements at City Buildings. The findings of the structural assessment will inform the timeline of this project. In January 2024, the City Council affirmed the need for this project.

*Project Timeline:*

Design/Construction: Under evaluation

**(CIP 301-715, Budget \$400,000) Substructure and Superstructure Bridge Improvements (2023-2024)**

This project addresses deficiencies in Bicentennial, Foster City Boulevard, Rainbow, and Shell Boulevard Bridges. Caltrans performs inspections of the above water bridge elements every two years and the underwater elements every five years and reports its findings to the City. The project will address deficiencies identified in the Caltrans inspection documents and any deficiencies identified by a consultant engineering firm working directly for the City. As no addressable deficiencies have been identified in Caltrans underwater inspections, the project budget does not include funds to repair underwater bridge elements. Additional funding may be requested for the design and construction of underwater bridge improvements, if any are identified.

The next step of the project is to engage a consultant to perform bridge inspections and provide preliminary design services. The design for this project will be conducted in two phases. The initial phase entails conducting a thorough examination of previous Caltrans bridge inspection reports alongside current on-site inspections. This process will result in the development of a Basis of Design report delineating the elements requiring improvements. The second phase will consist of the development of construction documents, including bid and construction support services.

*Project Timeline:*

Design: Ongoing

Construction: FY 2024-2025

**(CIP 301-716, Budget \$2,478,247) Street Rehabilitation and Park Pathway Restoration (2023-2024)**

This project will repair/resurface the following areas: the portion of Edgewater Blvd south of Beach Park Blvd, the eastern portion of E. 3<sup>rd</sup> Ave, the brick intersection in front of Metro Center Plaza, and the Shell Blvd driveway at Beach Park Elementary School. Additionally, \$300,000 is allocated to Park pathway restoration. This project will repair/resurface portions of the pathways in Sea Cloud Park and Boothbay Park and replace cracked concrete entrances with asphalt at Sunfish, Turnstone, and Marlin Parks.

The normal repair methods include crack seal, slurry seal, dig-out repairs, and surface overlays. Additionally, all improvements will be designed with the latest City and National Standards. This includes accessibility upgrades complying with the City's ADA Transition plan and all pavement work following the requirements of the MRP3.0 (Municipal Regional Stormwater Permit) of our NPDES (National Pollutant Discharge Elimination System) Permit.

On November 6, 2023, City Council adopted Resolution 2023-103 awarding a BKF Engineers a task order in the amount of \$144,868 to provide roadway assessment, design services, and bid/construction support. Design is on-going and construction will be performed in summer/fall 2024.

*Project Timeline:*

Design: On-going

Construction: FY 2024-2025

**(CIP 301-717, Budget \$2,000,000) Add Third and Fourth Lagoon Pump and Related Infrastructure (2023-2024)**

The project consists of adding a third and possibly fourth lagoon pump at the City's corporation yard in the existing partially decommissioned pump station bays in order to ensure redundancy during large storms and into the future with climate change.

The project kicked off in late 2023 with initialization of a preliminary engineering analysis on third pump feasibility and constructability alongside CIP 718 analyzing the lagoon pump station's structural integrity to ensure adding a third and possibly fourth pump to the existing building was practicable.

*Project Timeline:*

Design: FY 2023-2024 – FY 2024-2025

Construction: FY 2025-2026

**(CIP 301-718, Budget \$200,000) Lagoon Pump Station Building Rehabilitation (2023-2024)**

The project consists of rehabilitation on the City's lagoon pump station. The lagoon pump station was built in the early 1960's and is one of the City's oldest buildings. In several locations, significant amounts of concrete have spalled away which adversely affects the structural integrity of certain elements of the facilities. In addition, numerous structural code changes have been adopted since the design of this building. In a report prepared by Murray Smith, Inc. in May 2021, as part of CIP 301-690 Seismic Improvements project, recommendations were made to perform an in-depth evaluation of the building to include additional structural evaluation of the lagoon pump station building and the below water structures based on current building code standards. The recommendation included further structural investigation and analysis of the lagoon walkway, channels, trash racks (previously replaced in 2010), and foundation, to determine potential structural deficiencies.

Structural investigation kicked off in late 2023 with preliminary engineering investigating the existing structure to recommend next steps of further destructive testing, rehabilitation programming, or new construction, if necessary.

The work on the lagoon intake structure was moved into its own CIP in order to allow it to move on its own schedule and because it is located near Sea Cloud Park.

*Project Timeline:*

Design: FY 2023-2024 – FY 2024-2025

Construction: FY 2025-2026

**(CIP 451-719, Budget \$600,000) Sanitary Sewer Lift Stations Improvements - Phase 6 (2023-2024)**

This project was identified in the District's Wastewater Collection System Master Plan, and will address deficiencies at Lift Stations 6, 9, 11, 13, 22, 29, 42 and 43. Lift station improvements generally include repairing the interior wet wells; replacing critical components, and electrical improvements including installation of additional systems to remotely monitor and control the lift stations. Design is anticipated to begin in FY 2025-2026 to allow staff to address other priority projects first.

*Project Timeline:*

Design: FY 2025-2026

Construction: FY 2026-2027

## **Projects Completed but Not Yet Closed in FY 2023-2024**

### **(CIP 301-702, Budget \$300,000) Park Pathway Restoration (2021-2022)**

This project addressed improvements to pathways in the following city parks: Arcturus, Turnstone, Shad, Erckenbrack, and Constitution Walkway. Improvements included removing and replacing failed and root-damaged asphalt and installing root barrier, slurry seal, and, if needed, line striping. This project has been combined with CIP (301-703) Street Rehabilitation Project. Construction has been completed.

### **(CIP 301-703, Budget \$3,200,000) Street Rehabilitation (2021-2022)**

This project consisted of the repair/resurfacing of the following public streets: Polaris Avenue, Argus Court, Arcturus Court, Pollux Court, portion of Shell Boulevard, Comet Drive, Balclutha Drive, Polynesia Avenue, Constitution Drive, Chrysopolis Drive, Lurline Drive, Niantic Drive, and Pilgrim Drive. Repair methods included crack seal, slurry seal, dig-out repairs, and surface overlays. The project also included curb and gutter replacement and sidewalk repairs on the streets that are being repaired. Sharrow symbols/legends were incorporated as appropriate. Construction of the Park Pathway Restoration Project (CIP 301-702) was performed in conjunction with this project to take advantage of economies of scale and allow more efficient project delivery. Construction has been completed.

## **Projects Closed Out in FY 2023-2024**

### **(CIP 455-626, Budget \$8,075,000) Sanitary Sewer Lift Station Improvements - Phase 5 (2012-2013)**

This project consisted of repairing interior wet wells; installing new pumps, motors, and valves; replacing electrical and telemetry control systems; installing bypass piping and connections; and replacing corroded components with stainless-steel components. This project addressed the rehabilitation of 10 lift stations: LS 1, 2, 5, 7, 8, 18, 21, 23, and 24. The work at the lift stations was completed under budget and Notice of Completion was filed on March 31, 2023.

### **(CIP 405-636, Budget \$1,550,000) Water System Improvements and Valve Replacements (2013-2014)**

This project consisted of the replacement of broken water valves at the intersections of East Hillsdale Boulevard and Edgewater Boulevard, and Mariner's Island Boulevard and Fashion Island Boulevard, and installing bypass assemblies, valves, pipe segments, and other appurtenances to the 24-inch transmission main near the Seal Slough Bridge in the City of San Mateo. The project was completed under budget and Notice of Completion was filed May 19, 2023.

### **(CIP 301-655, Budget \$925,000) Leo Ryan Park Lawn Conversion and Bocce Court Expansion (2015-2016) – (Closed at Council Direction)**

At its meeting on January 16, the City Council provided direction that CIP 301-655 be closed out and the funding transferred to CIP 301-678 Recreation Center Rebuild. The Council further directed that the addition of Bocce courts be included as an add alternative to the Recreation Center Rebuild Project. It will include modifying the area around the existing bocce ball courts, resurfacing the existing courts, and adding an additional two courts. If funds allow, the work will be completed during the Recreation Center Rebuild Project.

Project Timeline:

Design: FY 2023-2024

Construction: To be considered as a bid alternative in CIP 301-678

**(CIP 301-681, Budget \$4,238,970) New Traffic Signals at Various Locations (2018-2019)**

This project consists of the construction of traffic signals at the intersections of (1) Beach Park Boulevard and Gull Avenue (North), (2) Foster City Boulevard and Polynesia Drive, (3) Edgewater Boulevard and Port Royal Avenue (North) and (4) Beach Park Boulevard and Shell Boulevard.

Construction began in June 2022 and was completed in July 2023 under budget. The Notice of Completion was approved by the City Council on February 5, 2024.

**(CIP 301-693, Budget \$1,550,000) Roof Replacements at City Buildings (2019-2020)**

This project consists of roof repair and/or replacements of various City buildings including the Police Station, Teen Center, and various Corporation Yard buildings (the Public Works water/wastewater/streets/lagoons workshops, storage room, locker room, kitchen; shared training room adjacent to the lagoon pump house building; Parks key room, Vehicle Maintenance shop and small engine shop). Construction was completed on October 9, 2023, and the Notice of Completion was approved by the City Council in December 2023.

**(CIP 301-694, Budget \$475,000) Dynamic Signage for Traffic Relief Pilot Program (2019-2020)**

This project consisted of the installation of no left turn dynamic signage at the intersections of E. Hillsdale Boulevard and Edgewater Boulevard and E. Hillsdale Boulevard and Shell Boulevard to address concerns regarding cut-through traffic on East Hillsdale Boulevard during peak evening commute hours. Construction was completed by May 2022 under budget, and Notice of Completion recorded on September 6, 2022.

**(CIP 301-697, Budget \$1,560,000) Street Rehabilitation (2020-2021)**

This project consisted of the repair/resurfacing of the following public streets: Port Royal Avenue, Boothbay Avenue, Chesapeake Avenue, Nantucket Street, a portion of Shell Boulevard, Bounty Drive and Dolphin Isle. The repair methods included crack seal, slurry seal, dig-out repairs, and surface overlays. The project also included curb and gutter replacement and sidewalk repairs on the streets that are being repaired. Design was performed in house by staff. Construction was completed in November 2022 under budget. The Notice of Completion was filed in March 2023 and the project has been closed out.

**(CIP 301-706, Budget \$200,000) Government Center Rehabilitation (2022-2023)**

This project improved the interior of the City Hall building (610 Foster City Boulevard). The renovation consisted of office partition modifications to accommodate increased staff or need for reconfiguration. Improvements were completed in late summer of 2023 under budget.

**(CIP 301-709, Budget \$1,170,000) Sea Cloud Park S4 Synthetic Resurfacing (2022-2023)**

This project addressed the full replacement of the turf surface of the S4 soccer field that was installed in FY 2012-2013 to maintain the integrity of this highly used field. Improvements were completed in September 2023. The Notice of Completion was approved by the City Council on February 20, 2024.

*Project Timeline:*

Design: Ongoing

Construction: Completed

# 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 Program. A Capital Improvement Program consisting of several Capital Improvement Projects (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 sport courts, constructing or maintaining walkways, or rehabilitation of park facilities)
- Water valve or pipe replacement
- Sewer Lift Station refurbishment

Because the costs of such improvements are usually significant, the Five-Year Capital Improvement Project Program is a useful tool for anticipating and planning for future costs and developing funding strategies for projects.

## **CIP Planning Process**

### *Identifying CIP Projects*

Throughout the fiscal year, City staff members monitor the functional status and performance of the City's infrastructure elements. Maintenance activities are documented and analyzed to determine if rehabilitation or replacement is necessary. In addition, the City Council may provide policy direction to construct, enhance or rehabilitate City facilities. Based on these inputs, Staff begins to define the scope, nature and extent of projects. Projects on the previous year's Five-Year CIP Plan are reviewed and updated and new recommended projects are defined.

### *Cost Estimates*

Upon identifying the scope and nature of each project, staff prepares cost estimates of the projects. Projects which come up within the next 1-2 years have detailed engineers' cost estimates prepared. Projects which are 3-5 years out have less detailed cost estimates, but are sufficient in detail to give an overall order-of-magnitude cost estimate for planning purposes.

The cost estimates include an inflationary factor in a range of 2% to 10% per year for projects that are in years 2-5 based upon the historical trends and future expectations of raw materials and labor costs for projects. Cost estimates also include contingency factors that can range from 10% to 25% based upon the historical experience of similar projects and the 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.

### *Funding Sources*

Once the costs and timing have been identified and projected, a financial analysis is prepared to determine whether 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)
- Park In-lieu fees
- Water and Wastewater rate revenue
- Interest earnings
- Existing undesignated funds

### *Development of Five-Year Plan*

The recommended timing of projects in the plan takes into consideration many factors including:

- Status of the existing infrastructure
- Risk management considerations
- City Council policy priorities
- Staffing/staff workload
- Bidding environment
- Available funding

The City Council considers the draft plan at a Study Session that is typically held in late March. The City Council provides direction on each of the projects and any changes are incorporated into a revised plan that is reviewed by the Planning Commission for consistency with the General Plan. Any updates requiring further discussion are provided once again to the City Council at a Budget Study Session, typically held in May.

The City Council then holds a Public Hearing on the budget as a whole, which includes the Five-Year CIP Plan, normally 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 2024-25 TO 2028-29)**

Category	PROJECT #	PROJECT NAME	Funding Source*	TOTAL - Not Including Prior Years	2024-25	2025-26	2026-27	2027-28	2028-29
<b>BUILDING PROJECTS</b>									
C	BD-01	BD-01 (CIP 301-677) LIBRARY EXTERIOR IMPROVEMENTS AND RE-LANDSCAPING (2017-2018)	CC	\$200,000	\$0	\$0	\$200,000	\$0	\$0
A	BD-02	BD-02 (CIP 301-700) FUEL SYSTEMS IMPROVEMENTS (2021-2022)	CC	\$922,054	\$922,054	\$0	\$0	\$0	\$0
B	BD-03	BD-03 (CIP 301-708) RENOVATE ELEVATORS IN CITY BUILDINGS (2022-2023)	CC	\$200,000	\$200,000	\$0	\$0	\$0	\$0
B	BD-04	BD-04 (NEW CIP) REPLACE CITY HALL AND FIRE STATION ROOF (2027-2028)	BMF	\$500,000	\$0	\$0	\$0	\$500,000	\$0
B	BD-05	BD-05 (NEW CIP) REPLACE COUNCIL CHAMBERS HVAC (2028-2029)	BMF	\$500,000	\$0	\$0	\$0	\$0	\$500,000
<b>TOTAL BUILDING PROJECTS</b>			<b>5</b>	<b>\$2,322,054</b>	<b>\$1,122,054</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$500,000</b>	<b>\$500,000</b>
<b>PARKS PROJECTS</b>									
A	PK-01	PK-01 (CIP 301-678) RECREATION CENTER REBUILD (2017-2018)	CC/PIL/PIF/BMF	\$9,559,750	\$9,092,750	\$467,000	\$0	\$0	\$0
B	PK-02	PK-02 (CIP 301-712) EDGEWATER PARK SOFTBALL AND SOCCER SYNTHETIC RESURFACING (2023-2024)	CC	\$350,000	\$350,000	\$0	\$0	\$0	\$0
B	PK-03	PK-03 (CIP 301-714) SEA CLOUD MAINTENANCE SHED (2023-2024)	CC	\$2,000,000	\$0	\$0	\$2,000,000	\$0	\$0
C	PK-04	PK-04 (NEW CIP) CITY HALL EXTERIOR REHABILITATION (FY 2024-2025)	CC	\$200,000	\$200,000	\$0	\$0	\$0	\$0
B	PK-05	PK-05 (NEW CIP) DOG PARK INFRASTRUCTURE UPGRADE AND SYNTHETIC TURF REPLACEMENT (2025-2026)	CC	\$500,000	\$0	\$500,000	\$0	\$0	\$0
C	PK-06	PK-06 (NEW CIP) TENNIS AND BASKETBALL COURTS RESURFACING (2025-2026)	CC	\$320,000	\$0	\$320,000	\$0	\$0	\$0
B	PK-07	PK-07 (NEW CIP) CATAMARAN PARK IMPROVEMENTS (2026-2027)	CC	\$550,000	\$0	\$0	\$550,000	\$0	\$0
B	PK-08	PK-08 (NEW CIP) CATAMARAN AND SEA CLOUD S3 SYNTHETIC RESURFACING (2026-2027)	CC	\$1,800,000	\$0	\$0	\$1,800,000	\$0	\$0
C	PK-09	PK-09 (NEW CIP) AMPHITHEATER SYNTHETIC TURF RESURFACING (2026-2027)	CC	\$120,000	\$0	\$0	\$120,000	\$0	\$0
B	PK-10	PK-10 (NEW CIP) GULL PARK RENOVATION (2027-2028)	CC/ERF	\$3,810,000	\$0	\$0	\$0	\$3,810,000	\$0
B	PK-11	PK-11 (NEW CIP) MARLIN PARK RENOVATION (2027-2028)	CC/ERF	\$3,900,000	\$0	\$0	\$0	\$3,900,000	\$0
B	PK-12	PK-12 (NEW CIP) BOOTHBAY PARK SITE IMPROVEMENTS (2027-2028)	CC/ERF/PIL	\$4,000,000	\$0	\$0	\$0	\$500,000	\$3,500,000
B	PK-13	PK-13 (NEW CIP) PARKING LOT RESURFACING (2028-2029)	CC	\$600,000	\$0	\$0	\$0	\$0	\$600,000
B	PK-14	PK-14 (NEW CIP) PORT ROYAL SYNTHETIC RESURFACING (2028-2029)	CC	\$925,000	\$0	\$0	\$0	\$0	\$925,000
<b>TOTAL PARKS PROJECTS</b>			<b>14</b>	<b>\$28,634,750</b>	<b>\$9,642,750</b>	<b>\$1,287,000</b>	<b>\$4,470,000</b>	<b>\$8,210,000</b>	<b>\$5,025,000</b>
<b>STORMWATER/LAGOON PROJECTS</b>									
A	SW-01	SW-01 (CIP 301-717) ADD THIRD AND FOURTH LAGOON PUMP AND RELATED INFRASTRUCTURE (2023-2024)	CC	\$2,000,000	\$0	\$2,000,000	\$0	\$0	\$0
A	SW-02	SW-02 (CIP 301-718) LAGOON PUMP STATION BUILDING REHABILITATION (2023-2024)	CC	\$9,720,000	\$470,000	\$4,950,000	\$4,300,000	\$0	\$0
A	SW-03	SW-03 (NEW CIP) LAGOON INTAKE STRUCTURE REHABILITATION (2024-2025)	CC	\$780,000	\$30,000	\$50,000	\$700,000	\$0	\$0
<b>TOTAL STORMWATER/LAGOON PROJECTS</b>			<b>3</b>	<b>\$12,500,000</b>	<b>\$500,000</b>	<b>\$7,000,000</b>	<b>\$5,000,000</b>	<b>\$0</b>	<b>\$0</b>
<b>STREETS/TRAFFIC PROJECTS</b>									
A	ST-01	ST-01 (CIP 301-698) TRAFFIC SIGNAL SYSTEM UPGRADES (2020-2021)	SB1/MW/ERF/TIF/CC	\$8,825,000	\$1,000,000	\$4,825,000	\$3,000,000	\$0	\$0
B	ST-02	ST-02 (CIP 301-715) SUBSTRUCTURE AND SUPERSTRUCTURE BRIDGE IMPROVEMENTS (2023-2024)	SB1	\$750,000	\$750,000	\$0	\$0	\$0	\$0
A	ST-03	ST-03 (NEW CIP) STREET REHABILITATION AND PARK PATHWAY RESTORATION (2024-2025)	MA/GT/CC	\$1,800,000	\$1,800,000	\$0	\$0	\$0	\$0
C	ST-04	ST-04 (NEW CIP) BICYCLE AND PEDESTRIAN IMPROVEMENTS PROJECT (2025-2026)	MM	\$325,000	\$0	\$75,000	\$250,000	\$0	\$0
A	ST-05	ST-05 (NEW CIP) STREET REHABILITATION AND PARK PATHWAY RESTORATION (2025-2026)	MA/CC	\$1,800,000	\$0	\$1,800,000	\$0	\$0	\$0
B	ST-06	ST-06 (NEW CIP) FIRE AND RESCUE BOAT RAMP REHABILITATION (2026-2027)	CC	\$280,000	\$0	\$0	\$80,000	\$0	\$200,000
A	ST-07	ST-07 (NEW CIP) STREET REHABILITATION AND PARK PATHWAY RESTORATION (2026-2027)	MA/SB1/CC	\$1,800,000	\$0	\$0	\$1,800,000	\$0	\$0
A	ST-08	ST-08 (NEW CIP) STREET REHABILITATION (2027-2028)	MA/SB1	\$1,800,000	\$0	\$0	\$0	\$1,800,000	\$0
A	ST-09	ST-09 (NEW CIP) STREET REHABILITATION (2028-2029)	MA/SB1	\$1,800,000	\$0	\$0	\$0	\$0	\$1,800,000
<b>TOTAL STREETS/TRAFFIC PROJECTS</b>			<b>9</b>	<b>\$19,180,000</b>	<b>\$3,550,000</b>	<b>\$6,700,000</b>	<b>\$5,130,000</b>	<b>\$1,800,000</b>	<b>\$2,000,000</b>

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**FIVE YEAR CAPITAL IMPROVEMENT PROJECT PLAN (FISCAL YEAR 2024-25 TO 2028-29)**

Category	PROJECT #	PROJECT NAME	Funding Source*	TOTAL - Not Including Prior Years	2024-25	2025-26	2026-27	2027-28	2028-29
<b>WATER PROJECTS</b>									
B	WA-01	WA-01 (NEW CIP) WATER MAIN CONDITION ASSESSMENT (2025-2026)	CW/WCF	\$250,000	\$0	\$250,000	\$0	\$0	\$0
A	WA-02	WA-02 (NEW CIP) PERMANENT EMERGENCY BYPASS TRANSMISSION MAIN ON E. THIRD AVE. (2025-2026)	CW	\$1,000,000	\$0	\$300,000	\$700,000	\$0	\$0
B	WA-03	WA-03 (NEW CIP) LARGE WATER VALVE REPLACEMENT (2026-2027)	CW	\$1,500,000	\$0	\$0	\$1,000,000	\$500,000	\$0
B	WA-04	WA-04 (NEW CIP) COATING ON 24-INCH TRANSMISSION MAIN AT SEAL SLOUGH BRIDGE (2026-2027)	CW/WCF	\$1,000,000	\$0	\$0	\$1,000,000	\$0	\$0
A	WA-05	WA-05 (NEW CIP) REPLACEMENT OF CATHODIC PROTECTION ANODE BEDS (2027-2028)	CW	\$500,000	\$0	\$0	\$0	\$500,000	\$0
A	WA-06	WA-06 (NEW CIP) WATER FACILITIES SEISMIC VULNERABILITY ASSESSMENT (2027-2028)	CW	\$125,000	\$0	\$0	\$0	\$125,000	\$0
A	WA-07	WA-07 (NEW CIP) TWO ENGINES AND PUMP REPLACEMENT AT WATER BOOSTER PUMP STATION (2027-2028)	CW	\$975,000	\$0	\$0	\$0	\$375,000	\$600,000
A	WA-08	WA-08 (NEW CIP) CHLORINE ANALYZERS AND AUTOFLUSHERS AT VARIOUS LOCATIONS (2028-2029)	CW	\$700,000	\$0	\$0	\$0	\$0	\$700,000
B	WA-09	WA-09 (NEW CIP) EAST HILLSDALE BOULEVARD LOOP (2028-2029)	CW	\$138,000	\$0	\$0	\$0	\$0	\$138,000
<b>TOTAL WATER PROJECTS</b>			<b>9</b>	<b>\$6,188,000</b>	<b>\$0</b>	<b>\$550,000</b>	<b>\$2,700,000</b>	<b>\$1,500,000</b>	<b>\$1,438,000</b>
<b>WASTEWATER PROJECTS</b>									
A	WW-01	WW-01 (CIP 455-652) WASTEWATER TREATMENT PLANT MASTER PLAN IMPROVEMENTS (2015-2016)	CWW	\$10,102,575	\$8,225,263	\$1,877,312	\$0	\$0	\$0
A	WW-02	WW-02 (CIP 455-705) EMERGENCY GENERATOR REPLACEMENTS (2021-2022)	CWW	\$3,900,000	\$1,900,000	\$2,000,000	\$0	\$0	\$0
A	WW-03	WW-03 (CIP 455-710) SHELL BRIDGE SANITARY SEWER FORCE MAIN REHABILITATION (2022-2023)	CWW	\$500,000	\$500,000	\$0	\$0	\$0	\$0
A	WW-04	WW-04 (CIP 455-719) SANITARY SEWER LIFT STATION IMPROVEMENTS - PHASE 6 (2023-2024)	CWW	\$8,900,000	\$0	\$7,900,000	\$1,000,000	\$0	\$0
A	WW-05	WW-05 (NEW CIP) SANITARY SEWER MANHOLE REPLACEMENTS (2025-2026)	CWW	\$2,500,000	\$0	\$500,000	\$2,000,000	\$0	\$0
B	WW-06	WW-06 (NEW CIP) OVERFLOW, REDUNDANCY, BYPASSING AND BACKUP POWER STUDY (2026-2027)	CWW	\$1,100,000	\$0	\$0	\$0	\$100,000	\$1,000,000
A	WW-07	WW-07 (NEW CIP) SANITARY SEWER LIFT STATIONS IMPROVEMENTS - PHASE 7 (2028-2029)	CWW	\$3,200,000	\$0	\$0	\$0	\$0	\$3,200,000
<b>TOTAL WASTEWATER COLLECTION SYSTEM PROJECTS</b>			<b>7</b>	<b>\$30,202,575</b>	<b>\$10,625,263</b>	<b>\$12,277,312</b>	<b>\$3,000,000</b>	<b>\$100,000</b>	<b>\$4,200,000</b>
<b>GRAND TOTAL</b>			<b>47</b>	<b>\$99,027,379</b>	<b>\$25,440,067</b>	<b>\$27,814,312</b>	<b>\$20,500,000</b>	<b>\$12,110,000</b>	<b>\$13,163,000</b>

\*BMF=Building Maintenance Fund; CC=CIP City; CW=CIP Water; CWW=CIP Wastewater; CWW-ERF= Wastewater Equipment Replacement Fund; ERF=Equipment Replacement Fund; GT=Gas Tax (2103); MA=Measure A; MM=Measure M; MW=Measure W; SB 1 = Road Maintenance & Rehab; PIF = Park Facility Impact Fees; PIL = Park-In-Lieu; TIF = Transportation Impact Fees; WCF=Water Connection Fees; WWCF=Wastewater Connection Fees

**TABLE A**  
**FIVE YEAR CAPITAL IMPROVEMENT PROJECT PLAN (FISCAL YEAR 2024-25 TO 2028-29)**

<b>Project No.</b>	<b>PROJECT DESCRIPTION</b>	<b>TOTAL</b>
<b>CATEGORY A PROJECTS</b>		
BD-02	BD-02 (CIP 301-700) FUEL SYSTEMS IMPROVEMENTS (2021-2022)	\$ 922,054
PK-01	PK-01 (CIP 301-678) RECREATION CENTER REBUILD (2017-2018)	\$ 9,559,750
ST-01	ST-01 (CIP 301-698) TRAFFIC SIGNAL SYSTEM UPGRADES (2020-2021)	\$ 8,825,000
ST-03	ST-03 (NEW CIP) STREET REHABILITATION AND PARK PATHWAY RESTORATION (2024-2025)	\$ 1,800,000
ST-05	ST-05 (NEW CIP) STREET REHABILITATION AND PARK PATHWAY RESTORATION (2025-2026)	\$ 1,800,000
ST-07	ST-07 (NEW CIP) STREET REHABILITATION AND PARK PATHWAY RESTORATION (2026-2027)	\$ 1,800,000
ST-08	ST-08 (NEW CIP) STREET REHABILITATION (2027-2028)	\$ 1,800,000
ST-09	ST-09 (NEW CIP) STREET REHABILITATION (2028-2029)	\$ 1,800,000
SW-01	SW-01 (CIP 301-717) ADD THIRD AND FOURTH LAGOON PUMP AND RELATED INFRASTRUCTURE (2023-2024)	\$ 2,000,000
SW-02	SW-02 (CIP 301-718) LAGOON PUMP STATION BUILDING REHABILITATION (2023-2024)	\$ 9,720,000
SW-03	SW-03 (NEW CIP) LAGOON INTAKE STRUCTURE REHABILITATION (2024-2025)	\$ 780,000
WA-02	WA-02 (NEW CIP) PERMANENT EMERGENCY BYPASS TRANSMISSION MAIN ON E. THIRD AVE. (2025-2026)	\$ 1,000,000
WA-05	WA-05 (NEW CIP) REPLACEMENT OF CATHODIC PROTECTION ANODE BEDS (2027-2028)	\$ 500,000
WA-06	WA-06 (NEW CIP) WATER FACILITIES SEISMIC VULNERABILITY ASSESSMENT (2027-2028)	\$ 125,000
WA-07	WA-07 (NEW CIP) TWO ENGINES AND PUMP REPLACEMENT AT WATER BOOSTER PUMP STATION (2027-2028)	\$ 975,000
WA-08	WA-08 (NEW CIP) CHLORINE ANALYZERS AND AUTOFLUSHERS AT VARIOUS LOCATIONS (2028-2029)	\$ 700,000
WW-01	WW-01 (CIP 455-652) WASTEWATER TREATMENT PLANT MASTER PLAN IMPROVEMENTS (2015-2016)	\$ 10,102,575
WW-02	WW-02 (CIP 455-705) EMERGENCY GENERATOR REPLACEMENTS (2021-2022)	\$ 3,900,000
WW-03	WW-03 (CIP 455-710) SHELL BRIDGE SANITARY SEWER FORCE MAIN REHABILITATION (2022-2023)	\$ 500,000
WW-04	WW-04 (CIP 455-719) SANITARY SEWER LIFT STATION IMPROVEMENTS - PHASE 6 (2023-2024)	\$ 8,900,000
WW-05	WW-05 (NEW CIP) SANITARY SEWER MANHOLE REPLACEMENTS (2025-2026)	\$ 2,500,000
WW-07	WW-07 (NEW CIP) SANITARY SEWER LIFT STATIONS IMPROVEMENTS - PHASE 7 (2028-2029)	\$ 3,200,000
<b>Subtotal for Category A Projects</b>		<b>\$ 73,209,379</b>
<b>CATEGORY B PROJECTS</b>		
BD-03	BD-03 (CIP 301-708) RENOVATE ELEVATORS IN CITY BUILDINGS (2022-2023)	\$ 200,000
BD-04	BD-04 (NEW CIP) REPLACE CITY HALL AND FIRE STATION ROOF (2027-2028)	\$ 500,000
BD-05	BD-05 (NEW CIP) REPLACE COUNCIL CHAMBERS HVAC (2028-2029)	\$ 500,000
PK-02	PK-02 (CIP 301-712) EDGEWATER PARK SOFTBALL AND SOCCER SYNTHETIC RESURFACING (2023-2024)	\$ 350,000
PK-03	PK-03 (CIP 301-714) SEA CLOUD MAINTENANCE SHED (2023-2024)	\$ 2,000,000
PK-05	PK-05 (NEW CIP) DOG PARK INFRASTRUCTURE UPGRADE AND SYNTHETIC TURF REPLACEMENT (2025-2026)	\$ 500,000
PK-07	PK-07 (NEW CIP) CATAMARAN PARK IMPROVEMENTS (2026-2027)	\$ 550,000
PK-08	PK-08 (NEW CIP) CATAMARAN AND SEA CLOUD S3 SYNTHETIC RESURFACING (2026-2027)	\$ 1,800,000
PK-10	PK-10 (NEW CIP) GULL PARK RENOVATION (2027-2028)	\$ 3,810,000
PK-11	PK-11 (NEW CIP) MARLIN PARK RENOVATION (2027-2028)	\$ 3,900,000
PK-12	PK-12 (NEW CIP) BOOTHBAY PARK SITE IMPROVEMENTS (2027-2028)	\$ 4,000,000
PK-13	PK-13 (NEW CIP) PARKING LOT RESURFACING (2028-2029)	\$ 600,000
PK-14	PK-14 (NEW CIP) PORT ROYAL SYNTHETIC RESURFACING (2028-2029)	\$ 925,000

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**TABLE A**  
**FIVE YEAR CAPITAL IMPROVEMENT PROJECT PLAN (FISCAL YEAR 2024-25 TO 2028-29)**

<b>Project No.</b>	<b>PROJECT DESCRIPTION</b>	<b>TOTAL</b>
<b>CATEGORY B PROJECTS (continued)</b>		
ST-02	ST-02 (CIP 301-715) SUBSTRUCTURE AND SUPERSTRUCTURE BRIDGE IMPROVEMENTS (2023-2024)	\$ 750,000
ST-06	ST-06 (NEW CIP) FIRE AND RESCUE BOAT RAMP REHABILITATION (2026-2027)	\$ 280,000
WA-01	WA-01 (NEW CIP) WATER MAIN CONDITION ASSESSMENT (2025-2026)	\$ 250,000
WA-03	WA-03 (NEW CIP) LARGE WATER VALVE REPLACEMENT (2026-2027)	\$ 1,500,000
WA-04	WA-04 (NEW CIP) COATING ON 24-INCH TRANSMISSION MAIN AT SEAL SLOUGH BRIDGE (2026-2027)	\$ 1,000,000
WA-09	WA-09 (NEW CIP) EAST HILLSDALE BOULEVARD LOOP (2028-2029)	\$ 138,000
WW-06	WW-06 (NEW CIP) OVERFLOW, REDUNDANCY, BYPASSING AND BACKUP POWER STUDY (2026-2027)	\$ 1,100,000
<b>Subtotal for Category B Projects</b>		<b>\$ 24,653,000</b>
<b>CATEGORY C PROJECTS</b>		
BD-01	BD-01 (CIP 301-677) LIBRARY EXTERIOR IMPROVEMENTS AND RE-LANDSCAPING (2017-2018)	\$ 200,000
PK-04	PK-04 (NEW CIP) CITY HALL EXTERIOR REHABILITATION (FY 2024-2025)	\$ 200,000
PK-06	PK-06 (NEW CIP) TENNIS AND BASKETBALL COURTS RESURFACING (2025-2026)	\$ 320,000
PK-09	PK-09 (NEW CIP) AMPHITHEATER SYNTHETIC TURF RESURFACING (2026-2027)	\$ 120,000
ST-04	ST-04 (NEW CIP) BICYCLE AND PEDESTRIAN IMPROVEMENTS PROJECT (2025-2026)	\$ 325,000
<b>Subtotal for Category C Projects</b>		<b>\$ 1,165,000</b>
<b>GRAND TOTAL</b>		<b>\$ 99,027,379</b>

**TABLE B  
FIVE YEAR CAPITAL IMPROVEMENT PROJECT PLAN (FISCAL YEAR 2024-25 TO 2028-29)**

DESCRIPTION	CIP City (Fund 301)	CAP ASSET ACQ & REPL (Fund 326)	ISF-ERF (Fund 502)	ISF-BMF (Fund 505)	Developer Deposits ( <sup>(4)</sup> )	Measure A (Fund 102)	Gas Tax 2103 (Fund 103)	Park-In- Lieu Fees (Fund 104)	Measure M (Fund 105)	SB1 Road Maint and Rehab (Fund 119)	Measure W (Fund 136)	Impact Fees - Park Facility (Fund 142)	Impact Fees - Transportation (Fund 144)	Water Capital Investment (Fund 405)	Water Connection Fees (Fund 409)	Wastewater Capital Investment (Fund 455)	Wastewater Equipment Replacement Fund (Fund 458)	Wastewater Connection Fees (Fund 460)	TOTAL
Est. Funds Available for CIP Projects, 6/30/2024 (1)	\$18,352,735	\$4,148,773	\$6,689,496	\$9,025,173	\$1,672,634	\$1,483,562	\$296,653	\$3,023,045	\$21,700	\$1,250,722	\$899,368	\$560,300	\$121,869	\$5,636,457	\$392,460	\$8,782,957	\$2,424,428	\$1,076,991	\$65,859,323
Long-Term CIP Funding Program (2)	\$28,750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$0	\$24,500,000	\$0	\$0	\$58,250,000
Revenue Projections (3)	\$0	\$5,555,000	\$0	\$0	\$0	\$5,174,200	\$1,486,600	\$0	\$645,800	\$4,832,500	\$2,509,000	\$467,000	\$1,408,128	\$0	\$811,597	\$0	\$0	\$4,417,973	\$27,307,798
<b>Total Available</b>	<b>\$47,102,735</b>	<b>\$9,703,773</b>	<b>\$6,689,496</b>	<b>\$9,025,173</b>	<b>\$1,672,634</b>	<b>\$6,657,762</b>	<b>\$1,783,253</b>	<b>\$3,023,045</b>	<b>\$667,500</b>	<b>\$6,083,222</b>	<b>\$3,408,368</b>	<b>\$1,027,300</b>	<b>\$1,529,997</b>	<b>\$10,636,457</b>	<b>\$1,204,057</b>	<b>\$33,282,957</b>	<b>\$2,424,428</b>	<b>\$5,494,964</b>	<b>\$151,417,121</b>

**CATEGORY A PROJECTS**

BD-02 (CIP 301-700) FUEL SYSTEMS IMPROVEMENTS (2021-2022)	\$922,054	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$922,054
PK-01 (CIP 301-678) RECREATION CENTER REBUILD (2017-2018)	\$5,926,050	\$0	\$0	\$1,861,400	\$0	\$0	\$0	\$745,000	\$0	\$0	\$0	\$1,027,300	\$0	\$0	\$0	\$0	\$0	\$0	\$9,559,750
ST-01 (CIP 301-698) TRAFFIC SIGNAL SYSTEM UPGRADES (2020-2021)	\$3,000,000	\$0	\$480,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,220,000	\$2,300,000	\$0	\$825,000	\$0	\$0	\$0	\$0	\$0	\$8,825,000
ST-03 (NEW CIP) STREET REHABILITATION AND PARK PATHWAY RESTORATION (2024-2025)	\$300,000	\$0	\$0	\$0	\$0	\$1,000,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,800,000
ST-05 (NEW CIP) STREET REHABILITATION AND PARK PATHWAY RESTORATION (2025-2026)	\$300,000	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,800,000
ST-07 (NEW CIP) STREET REHABILITATION AND PARK PATHWAY RESTORATION (2026-2027)	\$300,000	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,800,000
ST-08 (NEW CIP) STREET REHABILITATION (2027-2028)	\$0	\$0	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,800,000
ST-09 (NEW CIP) STREET REHABILITATION (2028-2029)	\$0	\$0	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,800,000
SW-01 (CIP 301-717) ADD THIRD AND FOURTH LAGOON PUMP AND RELATED INFRASTRUCTURE (2023-2024)	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000
SW-02 (CIP 301-718) LAGOON PUMP STATION BUILDING REHABILITATION (2023-2024)	\$9,720,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,720,000
SW-03 (NEW CIP) LAGOON INTAKE STRUCTURE REHABILITATION (2024-2025)	\$780,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$780,000
WA-02 (NEW CIP) PERMANENT EMERGENCY BYPASS TRANSMISSION MAIN ON E. THIRD AVE. (2025-2026)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
WA-05 (NEW CIP) REPLACEMENT OF CATHODIC PROTECTION ANODE BEDS (2027-2028)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$500,000
WA-06 (NEW CIP) WATER FACILITIES SEISMIC VULNERABILITY ASSESSMENT (2027-2028)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000	\$0	\$0	\$0	\$0	\$125,000
WA-07 (NEW CIP) TWO ENGINES AND PUMP REPLACEMENT AT WATER BOOSTER PUMP STATION (2027-2028)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$975,000	\$0	\$0	\$0	\$0	\$975,000
WA-08 (NEW CIP) CHLORINE ANALYZERS AND AUTOFLUSHERS AT VARIOUS LOCATIONS (2028-2029)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$700,000	\$0	\$0	\$0	\$0	\$700,000

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**TABLE B  
FIVE YEAR CAPITAL IMPROVEMENT PROJECT PLAN (FISCAL YEAR 2024-25 TO 2028-29)**

DESCRIPTION	CIP City (Fund 301)	CAP ASSET ACQ & REPL (Fund 326)	ISF-ERF (Fund 502)	ISF-BMF (Fund 505)	Developer Deposits (4)	Measure A (Fund 102)	Gas Tax 2103 (Fund 103)	Park-In- Lieu Fees (Fund 104)	Measure M (Fund 105)	SB1 Road Maint and Rehab (Fund 119)	Measure W (Fund 136)	Impact Fees - Park Facility (Fund 142)	Impact Fees - Transportation (Fund 144)	Water Capital Investment (Fund 405)	Water Connection Fees (Fund 409)	Wastewater Capital Investment (Fund 455)	Wastewater Equipment Replacement Fund (Fund 458)	Wastewater Connection Fees (Fund 460)	TOTAL
<b>CATEGORY A PROJECTS (continued)</b>																			
WW-01 (CIP 455-652) WASTEWATER TREATMENT PLANT MASTER PLAN IMPROVEMENTS (2015-2016)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,102,575	\$0	\$0	\$10,102,575
WW-07 (NEW CIP) SANITARY SEWER LIFT STATIONS IMPROVEMENTS - PHASE 7 (2028-2029)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,200,000	\$0	\$0	\$3,200,000
<b>SUB TOTAL OF CATEGORY A PROJECTS</b>	<b>\$23,248,104</b>	<b>\$0</b>	<b>\$480,000</b>	<b>\$1,861,400</b>	<b>\$0</b>	<b>\$5,300,000</b>	<b>\$500,000</b>	<b>\$745,000</b>	<b>\$0</b>	<b>\$4,520,000</b>	<b>\$2,300,000</b>	<b>\$1,027,300</b>	<b>\$825,000</b>	<b>\$3,300,000</b>	<b>\$0</b>	<b>\$29,102,575</b>	<b>\$0</b>	<b>\$0</b>	<b>\$73,209,379</b>
<b>FUNDS AVAIL. (LESS CATEGORY A PROJECTS)</b>	<b>\$23,854,631</b>	<b>\$9,703,773</b>	<b>\$6,209,496</b>	<b>\$7,163,773</b>	<b>\$1,672,634</b>	<b>\$1,357,762</b>	<b>\$1,283,253</b>	<b>\$2,278,045</b>	<b>\$667,500</b>	<b>\$1,563,222</b>	<b>\$1,108,368</b>	<b>\$0</b>	<b>\$704,997</b>	<b>\$7,336,457</b>	<b>\$1,204,057</b>	<b>\$4,180,382</b>	<b>\$2,424,428</b>	<b>\$5,494,964</b>	<b>\$78,207,742</b>
<b>CATEGORY B PROJECTS</b>																			
BD-03 (CIP 301-708) RENOVATE ELEVATORS IN CITY BUILDINGS (2022-2023)	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
BD-04 (NEW CIP) REPLACE CITY HALL AND FIRE STATION ROOF (2027-2028)	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000
BD-05 (NEW CIP) REPLACE COUNCIL CHAMBERS HVAC (2028-2029)	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000
PK-02 (CIP 301-712) EDGEWATER PARK SOFTBALL AND SOCCER SYNTHETIC RESURFACING (2023-2024)	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,000
PK-03 (CIP 301-714) SEA CLOUD MAINTENANCE SHED (2023-2024)	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000
PK-05 (NEW CIP) DOG PARK INFRASTRUCTURE UPGRADE AND SYNTHETIC TURF REPLACEMENT (2025-2026)	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000
PK-07 (NEW CIP) CATAMARAN PARK IMPROVEMENTS (2026-2027)	\$550,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$550,000
PK-08 (NEW CIP) CATAMARAN AND SEA CLOUD S3 SYNTHETIC RESURFACING (2026-2027)	\$1,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,800,000
PK-10 (NEW CIP) GULL PARK RENOVATION (2027-2028)	\$3,550,000	\$0	\$260,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,810,000
PK-11 (NEW CIP) MARLIN PARK RENOVATION (2027-2028)	\$3,775,000	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,900,000
PK-12 (NEW CIP) BOOTHBAY PARK SITE IMPROVEMENTS (2027-2028)	\$1,840,000	\$0	\$110,000	\$0	\$0	\$0	\$0	\$2,050,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000,000
PK-13 (NEW CIP) PARKING LOT RESURFACING (2028-2029)	\$600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$600,000
PK-14 (NEW CIP) PORT ROYAL SYNTHETIC RESURFACING (2028-2029)	\$925,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$925,000
<b>SUB TOTAL OF CATEGORY B PROJECTS</b>	<b>\$16,370,000</b>	<b>\$0</b>	<b>\$495,000</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,050,000</b>	<b>\$0</b>	<b>\$750,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,288,000</b>	<b>\$600,000</b>	<b>\$1,100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$24,653,000</b>
<b>FUNDS AVAIL. (LESS CATEGORY A AND B PROJECTS)</b>	<b>\$7,484,631</b>	<b>\$9,703,773</b>	<b>\$5,714,496</b>	<b>\$6,163,773</b>	<b>\$1,672,634</b>	<b>\$1,357,762</b>	<b>\$1,283,253</b>	<b>\$228,045</b>	<b>\$667,500</b>	<b>\$813,222</b>	<b>\$1,108,368</b>	<b>\$0</b>	<b>\$704,997</b>	<b>\$5,048,457</b>	<b>\$604,057</b>	<b>\$3,080,382</b>	<b>\$2,424,428</b>	<b>\$5,494,964</b>	<b>\$53,554,742</b>

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**TABLE B  
FIVE YEAR CAPITAL IMPROVEMENT PROJECT PLAN (FISCAL YEAR 2024-25 TO 2028-29)**

DESCRIPTION	CIP City (Fund 301)	CAP ASSET ACQ & REPL (Fund 326)	ISF-ERF (Fund 502)	ISF-BMF (Fund 505)	Developer Deposits (4)	Measure A (Fund 102)	Gas Tax 2103 (Fund 103)	Park-In- Lieu Fees (Fund 104)	Measure M (Fund 105)	SB1 Road Maint and Rehab (Fund 119)	Measure W (Fund 136)	Impact Fees - Park Facility (Fund 142)	Impact Fees - Transportation (Fund 144)	Water Capital Investment (Fund 405)	Water Connection Fees (Fund 409)	Wastewater Capital Investment (Fund 455)	Wastewater Equipment Replacement Fund (Fund 458)	Wastewater Connection Fees (Fund 460)	TOTAL
<b>CATEGORY C PROJECTS</b>																			
BD-01 (CIP 301-677) LIBRARY EXTERIOR IMPROVEMENTS AND RE-LANDSCAPING (2017-2018)	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
PK-04 (NEW CIP) CITY HALL EXTERIOR REHABILITATION (FY 2024-2025)	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
PK-06 (NEW CIP) TENNIS AND BASKETBALL COURTS RESURFACING (2025-2026)	\$320,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$320,000
PK-09 (NEW CIP) AMPHITHEATER SYNTHETIC TURF RESURFACING (2026-2027)	\$120,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$120,000
ST-04 (NEW CIP) BICYCLE AND PEDESTRIAN IMPROVEMENTS PROJECT (2025-2026)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$325,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$325,000
<b>SUB TOTAL OF CATEGORY C PROJECTS</b>	<b>\$840,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$325,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,165,000</b>
<b>FUNDS AVAIL. (LESS CATEGORY A, B, AND C PROJECTS)</b>	<b>\$6,644,631</b>	<b>\$9,703,773</b>	<b>\$5,714,496</b>	<b>\$6,163,773</b>	<b>\$1,672,634</b>	<b>\$1,357,762</b>	<b>\$1,283,253</b>	<b>\$228,045</b>	<b>\$342,500</b>	<b>\$813,222</b>	<b>\$1,108,368</b>	<b>\$0</b>	<b>\$704,997</b>	<b>\$5,048,457</b>	<b>\$604,057</b>	<b>\$3,080,382</b>	<b>\$2,424,428</b>	<b>\$5,494,964</b>	<b>\$52,389,742</b>

(1) Funds Available are based upon a February 1, 2024 financial review and also include \$2.0M Emergency Reserve for CIP Water and CIP Wastewater.

(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) Revenue projections based on a preliminary projection of revenues in preparation of the 5-Year Financial Plan forecast.

(4) Funds represent the deposits made by the developers of the following projects: Gilead Sciences; Chess Drive Offices; Pilgrim-Triton; 15-acre site; Biomed.

**TABLE C  
CAPITAL IMPROVEMENT PROJECT (CIP) PLAN (FISCAL YEAR 2024-25)**

<b>PROJECT NAME</b>	<b>Funding Source*</b>	<b>Total Project Cost</b>	<b>Prior Years' Funding</b>	<b>FY 2024-25</b>	<b>CIP City (Fund 301)</b>	<b>Park-In-Lieu Fees (Fund 104)</b>	<b>Impact Fees - Park Facility (Fund 142)</b>	<b>Measure A (Fund 102)</b>	<b>Gas Tax 2103 (Fund 103)</b>	<b>SB1 (FUND 119)</b>	<b>Measure W (Fund 136)</b>	<b>Wastewater Capital Investment (Fund 455)</b>	<b>Building Maint Internal Service Fund (Fund 505)</b>
<b>BUILDING PROJECTS</b>													
BD-02 (CIP 301-700) FUEL SYSTEMS IMPROVEMENTS (2021-2022)	CC	\$4,000,000	\$3,077,946	\$922,054	\$922,054	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
BD-03 (CIP 301-708) RENOVATE ELEVATORS IN CITY BUILDINGS (2022-2023)	CC	\$1,000,000	\$800,000	\$200,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TOTAL BUILDING PROJECTS</b>	<b>2</b>	<b>\$5,000,000</b>	<b>\$3,877,946</b>	<b>\$1,122,054</b>	<b>\$1,122,054</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>PARKS PROJECTS</b>													
PK-01 (CIP 301-678) RECREATION CENTER REBUILD (2017-2018)	CC/PIL/PIF/BMF	\$64,467,000	\$55,374,250	\$9,092,750	\$5,926,050	\$745,000	\$560,300	\$0	\$0	\$0	\$0	\$0	\$1,861,400
PK-02 (CIP 301-712) EDGEWATER PARK SOFTBALL AND SOCCER SYNTHETIC RESURFACING (2023-2024)	CC	\$1,250,000	\$900,000	\$350,000	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PK-04 (NEW CIP) CITY HALL EXTERIOR REHABILITATION (FY 2024-2025)	CC	\$200,000	\$0	\$200,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TOTAL PARKS PROJECTS</b>	<b>3</b>	<b>\$65,917,000</b>	<b>\$56,274,250</b>	<b>\$9,642,750</b>	<b>\$6,476,050</b>	<b>\$745,000</b>	<b>\$560,300</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,861,400</b>
<b>STORMWATER/LAGOON PROJECTS</b>													
SW-02 (CIP 301-718) LAGOON PUMP STATION BUILDING REHABILITATION (2023-2024)	CC	\$670,000	\$200,000	\$470,000	\$470,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SW-03 (NEW CIP) LAGOON INTAKE STRUCTURE REHABILITATION (2024-2025)	CC	\$30,000	\$0	\$30,000	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TOTAL STORMWATER/LAGOON PROJECTS</b>	<b>2</b>	<b>\$700,000</b>	<b>\$200,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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**TABLE C  
CAPITAL IMPROVEMENT PROJECT (CIP) PLAN (FISCAL YEAR 2024-25)**

PROJECT NAME	Funding Source*	Total Project Cost	Prior Years' Funding	FY 2024-25	CIP City (Fund 301)	Park-In-Lieu Fees (Fund 104)	Impact Fees - Park Facility (Fund 142)	Measure A (Fund 102)	Gas Tax 2103 (Fund 103)	SB1 (FUND 119)	Measure W (Fund 136)	Wastewater Capital Investment (Fund 455)	Building Maint Internal Service Fund (Fund 505)
<b>STREETS/TRAFFIC PROJECTS</b>													
ST-01 (CIP 301-698) TRAFFIC SIGNAL SYSTEM UPGRADES (2020-2021)	SB1/MW/ERF/TIF/CC	\$1,625,000	\$625,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0
ST-02 (CIP 301-715) SUBSTRUCTURE AND SUPERSTRUCTURE BRIDGE IMPROVEMENTS (2023-2024)	SB1	\$1,150,000	\$400,000	\$750,000	\$0	\$0	\$0	\$0	\$0	\$750,000	\$0	\$0	\$0
ST-03 (NEW CIP) STREET REHABILITATION AND PARK PATHWAY RESTORATION (2024-2025)	MA/GT/CC	\$1,800,000	\$0	\$1,800,000	\$300,000	\$0	\$0	\$1,000,000	\$500,000	\$0	\$0	\$0	\$0
<b>TOTAL STREETS/TRAFFIC PROJECTS</b>	<b>3</b>	<b>\$4,575,000</b>	<b>\$1,025,000</b>	<b>\$3,550,000</b>	<b>\$300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>	<b>\$500,000</b>	<b>\$750,000</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>
<b>WATER PROJECTS</b>													
None	—	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TOTAL WATER PROJECTS</b>	<b>0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>WASTEWATER PROJECTS</b>													
WW-01 (CIP 455-652) WASTEWATER TREATMENT PLANT MASTER PLAN IMPROVEMENTS (2015-2016)	CWW	\$162,519,482	\$154,294,219	\$8,225,263	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,225,263	\$0
WW-02 (CIP 455-705) EMERGENCY GENERATOR REPLACEMENTS (2021-2022)	CWW	\$4,200,000	\$2,300,000	\$1,900,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,900,000	\$0
WW-03 (CIP 455-710) SHELL BRIDGE SANITARY SEWER FORCE MAIN REHABILITATION (2022-2023)	CWW	\$1,000,000	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$0
<b>TOTAL WASTEWATER PROJECTS</b>	<b>3</b>	<b>\$167,719,482</b>	<b>\$157,094,219</b>	<b>\$10,625,263</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,625,263</b>	<b>\$0</b>
<b>GRAND TOTAL</b>	<b>13</b>	<b>\$243,911,482</b>	<b>\$218,471,415</b>	<b>\$25,440,067</b>	<b>\$8,398,104</b>	<b>\$745,000</b>	<b>\$560,300</b>	<b>\$1,000,000</b>	<b>\$500,000</b>	<b>\$750,000</b>	<b>\$1,000,000</b>	<b>\$10,625,263</b>	<b>\$1,861,400</b>

**TABLE D  
ACTIVE AND PROPOSED CIP'S THROUGH FY 2028-29**

ACTIVE PROJECT	DESCRIPTION	FY AUTH	PRIOR YRS BUDGET & ADJ	CURRENT YR BUDGET & ADJ (2023-24)	TOTAL APPROVED BUDGET & ADJ	2024-25	2025-26	2026-27	2027-28	2028-29	ESTIMATED TOTAL PROJECT BUDGET
455-626	SANITARY SEWER LIFT STATION IMPROVEMENTS PROJECT-PHASE 5 (2012-2013)	12-13	\$8,075,000	\$0	\$8,075,000	\$0	\$0	\$0	\$0	\$0	\$8,075,000
301-635	MEDIAN MODIFICATIONS - FOSTER CITY BLVD AT CHESS DRIVE - MP#3 (2013-2014, 2014-2015)	13-14	\$345,540	\$573,629	\$919,169	\$0	\$0	\$0	\$0	\$0	\$919,169
405-636	WATER SYSTEM IMPROVEMENTS AND VALVE REPLACEMENTS (2013-2014)	13-14	\$1,550,000		\$1,550,000	\$0	\$0	\$0	\$0	\$0	\$1,550,000
301-637	ROAD WIDENNG-FOSTER CTY BLVD AT CHESS DRIVE-MP#7 (2013-2014, 2015-2016)	15-16	\$1,141,000	\$1,549,000	\$2,690,000	\$0	\$0	\$0	\$0	\$0	\$2,690,000
455-652	WASTEWATER TREATMENT PLANT MASTER PLAN IMPROVEMENTS (2015-2016)	15-16	\$143,164,430	\$11,129,789	\$154,294,219	\$8,225,263	\$1,877,312	\$0	\$0	\$0	\$164,396,794
301-655	PARK INFRASTRUCTURE IMPROVEMENTS- LEO RYAN PARK LAWN CONVERSION AND BOCCO COURTS (2015-2016)	15-16	\$925,000	\$0	\$925,000	\$0	\$0	\$0	\$0	\$0	\$925,000
327-657	LEVEE PROTECTION PLANNING AND IMPROVEMENTS PROJECT - Prior years were in 301-657 (2015-2016)	15-16	\$90,000,000	\$4,900,137	\$94,900,137	\$0	\$0	\$0	\$0	\$0	\$94,900,137
405-660	WATER TANK IMPROVEMENTS PROJECT (2016-2017)	16-17	\$5,700,000	\$100,000	\$5,800,000	\$0	\$0	\$0	\$0	\$0	\$5,800,000
301-677	LIBRARY EXTERIOR IMPROVEMENTS AND RE-LANDSCAPING (2017-2018)	17-18	\$120,000	\$0	\$120,000	\$0	\$0	\$200,000	\$0	\$0	\$320,000
301-678	RECREATION CENTER REBUILD PROJECT (2017-2018)	17-18	\$55,374,250	\$0	\$55,374,250	\$9,092,750	\$467,000	\$0	\$0	\$0	\$64,934,000
301-681	NEW TRAFFIC SIGNALS AT VARIOUS LOCATIONS (2018-2019)	18-19	\$4,238,970	\$0	\$4,238,970	\$0	\$0	\$0	\$0	\$0	\$4,238,970
301-682	PARK SYSTEM MASTER PLAN (fka: PARK SYSTEM IMPROVEMENTS) (2018-2019)	18-19	\$484,500	\$0	\$484,500	\$0	\$0	\$0	\$0	\$0	\$484,500
301-685	HVAC IMPROVEMENTS IN CITY BUILDINGS (2018-2019)	18-19	\$2,040,000		\$2,040,000	\$0	\$0	\$0	\$0	\$0	\$2,040,000
301-690	SEISMIC IMPROVEMENTS AT LAGOON PUMP STATION (2019-2020)	19-20	\$550,000		\$550,000	\$0	\$0	\$0	\$0	\$0	\$550,000
301-693	ROOF REPLACEMENT (2019-2020)	19-20	\$1,235,000	\$315,000	\$1,550,000	\$0	\$0	\$0	\$0	\$0	\$1,550,000
455-695	LIFT STATION 59 EFFLUENT LINE IMPROVEMENTS (FY 2020-2021)	20-21	\$1,800,000	\$0	\$1,800,000	\$0	\$0	\$0	\$0	\$0	\$1,800,000
455-696	SANITARY SEWER SYSTEM IMPROVEMENTS (2020-2021)	20-21	\$900,000	\$0	\$900,000	\$0	\$0	\$0	\$0	\$0	\$900,000
301-697	STREET REHABILITATION (FY 2020-2021)	20-21	\$1,560,000	\$0	\$1,560,000	\$0	\$0	\$0	\$0	\$0	\$1,560,000
301-698	TRAFFIC SIGNAL SYSTEM UPGRADES (2020-2021)	20-21	\$525,000	\$100,000	\$625,000	\$1,000,000	\$4,825,000	\$3,000,000	\$0	\$0	\$9,450,000
301-699	CORPORATION YARD WORKSHOPS EXTERIOR PAINT (2020-2021)	20-21	\$200,000	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
301-700	FUEL SYSTEMS IMPROVEMENTS (2021-2022)	21-22	\$3,077,946		\$3,077,946	\$922,054	\$0	\$0	\$0	\$0	\$4,000,000
301-702	PARK PATHWAY RESTORATION (2021-2022)	21-22	\$300,000		\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
301-703	STREET REHABILITATION (2021-2022)	21-22	\$3,200,000		\$3,200,000	\$0	\$0	\$0	\$0	\$0	\$3,200,000
405-704	LARGE WATER METER REPLACEMENTS (fka: WATER TRANSMISSION AND DISTRIBUTION SYSTEMS IMPROVEMENTS)(2021-2022)	21-22	\$1,250,000		\$1,250,000	\$0	\$0	\$0	\$0	\$0	\$1,250,000
455-705	EMERGENCY GENERATOR REPLACEMENTS (2021-2022)	21-22	\$2,300,000		\$2,300,000	\$1,900,000	\$2,000,000	\$0	\$0	\$0	\$6,200,000
301-706	GOVERNMENT CENTER REHABILITATION (2022-2023)	22-23	\$200,000		\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
301-707	INSTALL REAR SECURITY GATES (2022-2023)	22-23	\$500,000		\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000
301-708	RENOVATE ELEVATORS IN CITY BUILDINGS (2022-2023)	22-23	\$800,000		\$800,000	\$200,000	\$0	\$0	\$0	\$0	\$1,000,000
301-709	SEA CLOUD PARK S4 SYNTHETIC RESURFACING (2022-2023)	22-23	\$1,170,000		\$1,170,000	\$0	\$0	\$0	\$0	\$0	\$1,170,000

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TABLE D ACTIVE AND PROPOSED CIP'S THROUGH FY 2028-29											
ACTIVE PROJECT	DESCRIPTION	FY AUTH	PRIOR YRS BUDGET & ADJ	CURRENT YR BUDGET & ADJ (2023-24)	TOTAL APPROVED BUDGET & ADJ	2024-25	2025-26	2026-27	2027-28	2028-29	ESTIMATED TOTAL PROJECT BUDGET
455-710	SHELL BRIDGE SANITARY SEWER FORCE MAIN REHABILITATION (2022-2023)	22-23	\$500,000		\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$1,000,000
301-711	POLICE STATION KITCHEN REMODEL (2023-2024)	23-24	\$0	\$130,000	\$130,000	\$0	\$0	\$0	\$0	\$0	\$130,000
301-712	EDGEWATER PARK SOFTBALL AND SOCCER SYNTHETIC RESURFACING (2023-2024)	23-24	\$0	\$900,000	\$900,000	\$350,000	\$0	\$0	\$0	\$0	\$1,250,000
301-713	LIGHT INSTALLATION AT BOOTHBAY PARK (2023-2024)	23-24	\$0	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000
301-714	SEA CLOUD MAINTENANCE SHED (2023-2024)	23-24	\$0	\$300,000	\$300,000	\$0	\$0	\$2,000,000	\$0	\$0	\$2,300,000
301-715	SUBSTRUCTURE AND SUPERSTRUCTURE BRIDGE IMPROVEMENTS (2023-2024)	23-24	\$0	\$400,000	\$400,000	\$750,000	\$0	\$0	\$0	\$0	\$1,150,000
301-716	STREET REHABILITATION AND PARK PATHWAY RESTORATION (2023-2024)	23-24	\$0	\$2,478,247	\$2,478,247	\$0	\$0	\$0	\$0	\$0	\$2,478,247
301-717	ADD THIRD AND FOURTH LAGOON PUMP AND RELATED INFRASTRUCTURE (2023-2024)	23-24	\$0	\$2,000,000	\$2,000,000	\$0	\$2,000,000	\$0	\$0	\$0	\$4,000,000
301-718	LAGOON PUMP STATION BUILDING REHABILITATION (2023-2024)	23-24	\$0	\$200,000	\$200,000	\$470,000	\$4,950,000	\$4,300,000	\$0	\$0	\$9,920,000
455-719	SANITARY SEWER LIFT STATION IMPROVEMENTS - PHASE 6 (2023-2024)	23-24	\$0	\$600,000	\$600,000	\$0	\$7,900,000	\$1,000,000	\$0	\$0	\$9,500,000
NEW	CITY HALL EXTERIOR REHABILITATION (FY 2024-2025)	24-25	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
NEW	STREET REHABILITATION AND PARK PATHWAY RESTORATION (2024-2025)	24-25	\$0	\$0	\$0	\$1,800,000	\$0	\$0	\$0	\$0	\$1,800,000
NEW	LAGOON INTAKE STRUCTURE REHABILITATION (2024-2025)	24-25	\$0	\$0	\$0	\$30,000	\$50,000	\$700,000	\$0	\$0	\$780,000
NEW	LARGE WATER VALVE REPLACEMENT (2026-2027)	26-27	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$500,000	\$0	\$1,500,000
NEW	SANITARY SEWER MANHOLE REPLACEMENTS (2025-2026)	25-26	\$0	\$0	\$0	\$0	\$500,000	\$2,000,000	\$0	\$0	\$2,500,000
NEW	DOG PARK INFRASTRUCTURE UPGRADE AND SYNTHETIC TURF REPLACEMENT (2025-2026)	25-26	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$500,000
NEW	TENNIS AND BASKETBALL COURTS RESURFACING (2025-2026)	25-26	\$0	\$0	\$0	\$0	\$320,000	\$0	\$0	\$0	\$320,000
NEW	BICYCLE AND PEDESTRIAN IMPROVEMENTS PROJECT (2025-2026)	25-26	\$0	\$0	\$0	\$0	\$75,000	\$250,000	\$0	\$0	\$325,000
NEW	STREET REHABILITATION AND PARK PATHWAY RESTORATION (2025-2026)	25-26	\$0	\$0	\$0	\$0	\$1,800,000	\$0	\$0	\$0	\$1,800,000
NEW	FIRE AND RESCUE BOAT RAMP REHABILITATION (2026-2027)	26-27	\$0	\$0	\$0	\$0	\$0	\$80,000	\$0	\$200,000	\$280,000
NEW	WATER MAIN CONDITION ASSESSMENT (2025-2026)	25-26	\$0	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0	\$250,000
NEW	PERMANENT EMERGENCY BYPASS TRANSMISSION MAIN ON E. THIRD AVE. (2025-2026)	25-26	\$0	\$0	\$0	\$0	\$300,000	\$700,000	\$0	\$0	\$1,000,000
NEW	CATAMARAN PARK IMPROVEMENTS (2026-2027)	26-27	\$0	\$0	\$0	\$0	\$0	\$550,000	\$0	\$0	\$550,000
NEW	CATAMARAN AND SEA CLOUD S3 SYNTHETIC RESURFACING (2026-2027)	26-27	\$0	\$0	\$0	\$0	\$0	\$1,800,000	\$0	\$0	\$1,800,000

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TABLE D											
ACTIVE AND PROPOSED CIP'S THROUGH FY 2028-29											
ACTIVE PROJECT	DESCRIPTION	FY AUTH	PRIOR YRS BUDGET & ADJ	CURRENT YR BUDGET & ADJ (2023-24)	TOTAL APPROVED BUDGET & ADJ	2024-25	2025-26	2026-27	2027-28	2028-29	ESTIMATED TOTAL PROJECT BUDGET
NEW	AMPHITHEATER SYNTHETIC TURF RESURFACING (2026-2027)	26-27	\$0	\$0	\$0	\$0	\$0	\$120,000	\$0	\$0	\$120,000
NEW	STREET REHABILITATION AND PARK PATHWAY RESTORATION (2026-2027)	26-27	\$0	\$0	\$0	\$0	\$0	\$1,800,000	\$0	\$0	\$1,800,000
NEW	COATING ON 24-INCH TRANSMISSION MAIN AT SEAL SLOUGH BRIDGE (2026-2027)	26-27	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
NEW	REPLACEMENT OF CATHODIC PROTECTION ANODE BEDS (2027-2028)	27-28	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$0	\$500,000
NEW	REPLACE CITY HALL AND FIRE STATION ROOF (2027-2028)	27-28	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$0	\$500,000
NEW	GULL PARK RENOVATION (2027-2028)	27-28	\$0	\$0	\$0	\$0	\$0	\$0	\$3,810,000	\$0	\$3,810,000
NEW	MARLIN PARK RENOVATION (2027-2028)	27-28	\$0	\$0	\$0	\$0	\$0	\$0	\$3,900,000	\$0	\$3,900,000
NEW	BOOTHBAY PARK SITE IMPROVEMENTS (2027-2028)	27-28	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$3,500,000	\$4,000,000
NEW	STREET REHABILITATION (2027-2028)	27-28	\$0	\$0	\$0	\$0	\$0	\$0	\$1,800,000	\$0	\$1,800,000
NEW	WATER FACILITIES SEISMIC VULNERABILITY ASSESSMENT (2027-2028)	27-28	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000	\$0	\$125,000
NEW	TWO ENGINES AND PUMP REPLACEMENT AT WATER BOOSTER PUMP STATION (2027-2028)	27-28	\$0	\$0	\$0	\$0	\$0	\$0	\$375,000	\$600,000	\$975,000
NEW	OVERFLOW, REDUNDANCY, BYPASSING AND BACKUP POWER STUDY (2026-2027)	26-27	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$1,000,000	\$1,100,000
NEW	SANITARY SEWER LIFT STATIONS IMPROVEMENTS - PHASE 7 (2028-2029)	28-29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,200,000	\$3,200,000
NEW	EAST HILLSDALE BOULEVARD LOOP (2028-2029)	28-29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$138,000	\$138,000
	<b>TOTAL</b>		<b>\$333,226,636</b>	<b>\$25,925,802</b>	<b>\$359,152,438</b>	<b>\$25,440,067</b>	<b>\$27,814,312</b>	<b>\$20,500,000</b>	<b>\$12,110,000</b>	<b>\$13,163,000</b>	<b>\$458,179,817</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

BD-01 (CIP 301-677)

## LIBRARY EXTERIOR IMPROVEMENTS AND RE-LANDSCAPING (2017-2018)

**Project Category:** C

**Project Description:**

This project will complete the Library building exterior improvements on the southwest side of the building. Staff has cured prior water intrusion issues by removing soil away from the northwest wall of the building. Half of the area has been re-landscaped in house by Parks staff into an attractive drought tolerant and water efficient habitat garden to attract pollinators such as butterflies and hummingbirds.

This project will provide for permanently removing the earth around the southwest wall of the library building, sealing the wall, installing wall drains and drainpipes, re-grading the earth around the exterior of the building, removing trees, and installing new landscaping and sidewalk on the north side of Civic Center Drive. The soil removal and landscaping will be performed in-house by staff. A consultant will develop project plans and specifications to seal the wall and install appropriate drainage from the building and incorporate the hardscape and landscape improvements.

The roots of the trees adjacent to the north wall of the library could contribute to water intrusion as well as eventual long-term damage to the building structure in the future. This CIP would provide funding to remove the trees.

Finally, this project will include improving the curb ramps at the Library/Community Center building to current Americans with Disability Act (ADA) standards.

**Estimated Project Schedule:**

Design: FY 2025-2026

Construction: FY 2026-2027

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$0	\$0	\$200,000	\$0	\$0	\$200,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$171,600	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$0	\$10,200	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$181,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$18,200</b>	<b>\$200,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

BD-02 (CIP 301-700)

## FUEL SYSTEMS IMPROVEMENTS (2021-2022)

### Project Category: A

#### Project Description:

The City has an unleaded fuel system and a diesel fuel system located in the Corporation Yard. The unleaded fuel system provides fuel for the vehicles and equipment of the City and Estero Municipal Improvement District (EMID). The diesel fuel system provides fuel to the vehicles, equipment, the lagoon pump engines, and the emergency generator for the Corporation Yard and Lift Station 59. The diesel fuel system also stores fuel for the emergency generators at EMID's 48 lift stations. Fuel is trucked to lift stations, as needed. These systems also provide fuel for other jurisdictions, such as the San Mateo Consolidated Fire Department, in emergency situations.

There are three existing fuel systems that are at the end of their useful life at the following locations:

1. Two – 10,000 gallon underground storage tanks (UGSTs), holding unleaded gas for City vehicles with two fuel dispensers located at the Corporation Yard near Lincoln Center Drive and installed in the early 1990's.
2. Two – 5,000 gallon above ground storage tanks (AGSTs) in a covered, concrete vault immediately adjacent to and west of the lagoon pump station building, which provide diesel fuel for vehicles and equipment via a single fuel dispenser and for the day tank inside the pump station, also installed in the early 1990's.
3. One 210-gallon day tank for diesel fuel, installed in the early 1960's, located inside the lagoon pump station building, which provides fuel to the lagoon pump engines and the Corporation Yard emergency generator and Lift Station 59.

Staff identified the need to replace the fuel systems due to safety, environmental, and regulatory compliance concerns. In addition, replacement parts for the dispensers are not readily available as the dispenser manufacturer is no longer in business, and the current Petro Vend fuel control software is no longer supported. Furthermore, SB 445 requires the permanent closure of single walled underground storage tanks by December 31, 2025.

The project scope includes (1) removal and replacement of the unleaded and diesel fuel systems and tanks; (2) replacement of all or part (dispensers, electrical, software) of the unleaded and diesel fuel systems; and (3) replacement of the 210 gallon day tank located in the lagoon pump house.

A contract was awarded to Tait Environmental Services, Inc. on February 11, 2021, in the amount of \$44,527 to perform an assessment of the City's fuel systems and provide replacement and rehabilitation alternatives, and address permitting and soil remediation. A technical memorandum outlining recommendations for improvements including construction cost estimates was prepared.

A subsequent contract was awarded to Tait Environmental Services, Inc. on May 1, 2023, for design services. Design and permitting are currently underway and expected to be completed in early Fall 2024 with construction to follow in 2025. Based on the current construction cost estimates, approximately \$922,000 is required to fully fund construction.

#### Estimated Project Schedule:

Design: FY 2023-24

Construction: FY 2024-2025

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>		<b>Total</b>
Fund 301 - CIP - City	\$922,054	\$0	\$0	\$0	\$0	\$0	\$922,054
<b>Total Funding Sources</b>	<b>\$922,054</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		<b>\$922,054</b>

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$801,800	\$0	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$801,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$120,254</b>	<b>\$922,054</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

BD-03 (CIP 301-708)

## RENOVATE ELEVATORS IN CITY BUILDINGS (2022-2023)

**Project Category:** B

**Project Description:**

This project addresses replacing essential elevator components in elevators in City buildings. The components are beyond their useful life and are experiencing an increasing number of failures. The replacement parts for the existing elevator components are no longer produced; therefore, a more extensive renovation of the elevators is necessary, meaning that the existing components will be replaced with new and updated components.

The elevators to be addressed by this project are located in City Hall, the Fire Station, Community Center and Corporation Yard Administration Building.

**Estimated Project Schedule:**

Design: FY 2024-2025

Construction: FY 2024-2025

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$200,000	\$0	\$0	\$0	\$0	\$200,000
<b>Total Funding Sources</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

  

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$173,900	\$0	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$173,900</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$26,100</b>	<b>\$200,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

BD-04 (NEW CIP)

## REPLACE CITY HALL AND FIRE STATION ROOF (2027-2028)

**Project Category:** B

**Project Description:**

The City Hall and Fire Station roofs were installed when the Government Center Improvements Project was constructed in 2002. Staff has performed ongoing maintenance and repairs to address identified leaks and issues related to the roof. This project will address water infiltration that has occurred from the exterior into the City Hall and Fire Station building interiors that result from failure of joint sealant on the building exterior.

This project will seal exterior walls and refurbish the roof and walls for the Fire Station and City Hall. This project will not be replacing the metal portions of the roof which remain under warranty.

**Estimated Project Schedule:**

Design: FY 2027-2028

Construction: FY 2027-2028

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 505 - Building Maintenance Fund	\$0	\$0	\$0	\$500,000	\$0	\$500,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$398,900	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$35,900	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$434,800</b>	<b>\$0</b>	<b>\$65,200</b>	<b>\$500,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

BD-05 (NEW CIP)

## REPLACE COUNCIL CHAMBERS HVAC (2028-2029)

**Project Category:** B

**Project Description:**

Due to the age and capacity of the Heating/Ventilation/Air Conditioning (HVAC) at the City Council Chambers, the existing system needs to be replaced and upgraded. The HVAC system is 20 years old and near the end of its useful life. Additionally, the maximum operation of the HVAC system is not sufficient to meet the needs of users when the Council Chambers are at full capacity. In particular, the cooling capacity of the system cannot accommodate a fully occupied Council Chambers, resulting in an overheated environment.

The project includes replacing and upgrading four (4) air conditioning condensers and verifying the condition of and replacing damaged or aged system parts such as boots and pans. A qualified professional will be engaged to perform an inspection of the facilities to establish the final scope of work prior to the preparation construction documents for bidding.

**Estimated Project Schedule:**

Design: FY 2028-2029

Construction: FY 2028-2029

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 505 - Building Maintenance Fund	\$0	\$0	\$0	\$0	\$500,000	\$500,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$500,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$0	\$388,300		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$46,500		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$434,800</b>	<b>\$65,200</b>	<b>\$500,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-01 (CIP 301-678)

## RECREATION CENTER REBUILD (2017-2018)

### Project Category: A

#### Project Description:

On January 23, 2019, the City Council by Minute Order No. 1585 accepted the Final Recreation Center Master Plan Conceptual Design Report. On January 31, 2022, the City Council received an update that included the results of a Community Survey to validate the Community Input that had been received in the extensive community engagement that was completed, pre-pandemic, in 2017. The City Council adopted Minute Order 1832, directing staff to 1) Accept the Recreation Center and Parks System Survey results, confirming staff has satisfied the City Council's interest in validating programming and usage assumptions; 2) Proceed with a "build-to-budget" option for the Recreation Center in an amount not-to-exceed \$55 million; and 3) Proceed with utilizing \$36 million from the Capital Asset Acquisition and Replacement Fund and \$19 million from the General Fund Reserves for the total not-to-exceed budget of \$55 million for rebuilding the Recreation Center.

At the City Council regular meeting on November 21, 2022, the City Council awarded an agreement with Group 4 Architecture, Research + Planning, Inc. ("Group 4") for professional design, bidding, and construction support services. The design phase began in January 2023 with the award of a construction management contract going to Griffin Structures. The construction management firm's early involvement to assist with constructability review of the design plans will help provide a seamless design to construction process.

At the regular City Council meeting on September 18, 2023, staff and Group 4 presented to City Council a full schematic design presentation which included an estimate of probable construction costs and a list of bid alternatives with cost information for City Council's consideration. The City Council accepted the schematic design budget estimate of \$63,356,000 for the Project and provided direction on additional project enhancements to be included resulting in an increase to construction estimate by \$2,172,000.

In addition, the City Council approved the temporary facilities and transition plan for the Project at the regular City Council meeting on November 6, 2023, resulting in an increase to the Project budget. When accounting for this increase, the increase to the construction budget estimate with the added Project enhancements, contingency and escalation factors, the current Project budget estimate is \$65,943,000.

Following the City Council meeting on September 18, 2023, which showed the schematic design, the City Council directed staff to return to an upcoming meeting to present funding options that would help address the additional funding that the Project would require to address the budget shortfall, which is \$10,567,750, the difference between the Project budget appropriation of \$55,375,250 and the current Project budget estimate of \$65,943,000.

At the regular City Council meeting on January 16, 2024, the City Council provided direction on various strategies to address the Project budget shortfall. These strategies include a mix of revenue opportunities such as grants and development impact fees, as well as elimination and re-prioritization of other capital projects to free up funds to address the funding gap. The City Council's action to eliminate the Bocce Court Expansion project from both the Project scope and budget reduced the Project budget by \$1,009,000 resulting in the current budget shortfall of \$9,559,750.

The funding sources outlined in the table below reflect the City Council actions at their regular meeting on January 16, 2024, as well as others identified by staff since the meeting.

1. Fund (301) includes funding from the Bocce Court Expansion Project (CIP 301-655) that resulted from the elimination of budget and scope from the Project, Gilead Grant Funding of \$500,000, and \$5,000,000 from the remaining Levee project funds which the City Council released and appropriated to the Project.

2. Transfer of \$1,861,400 from the Building Maintenance Fund (505) which were funds set aside for replacement of the current Recreation Center components such as the Roof, HVAC, Flooring and Paint.
3. Park Impact Fees totaling \$1,061,000 which include \$560,000 authorized and appropriated by the City Council from the Gilead building at 331 Lakeside Drive, and an additional \$467,000 anticipated in year two of the Project for 388 Vintage Park Drive.

The design is anticipated to be completed in the Spring of 2024. Construction is anticipated to begin in September 2024 and is estimated to take 22 months.

**Estimated Project Schedule:**

Design: FY 2022-2023 through FY2023-2024

Construction: FY 2024-2025 through FY2026-2027

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>
Fund 104 - Park-In-Lieu	\$745,000	\$0	\$0	\$0	\$0	\$745,000
Fund 142 - Impact - Parks Facilities	\$560,300	\$467,000	\$0	\$0	\$0	\$1,027,300
Fund 301 - CIP - City	\$5,926,050	\$0	\$0	\$0	\$0	\$5,926,050
Fund 505 - Building Maintenance Fund	\$1,861,400	\$0	\$0	\$0	\$0	\$1,861,400
<b>Total Funding Sources</b>	<b>\$9,092,750</b>	<b>\$467,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$9,559,750</b>

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$7,906,700	\$394,300	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$11,800	\$0	\$0	\$0		
<b>Total</b>	<b>\$7,906,700</b>	<b>\$406,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,246,950</b>	<b>\$9,559,750</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-02 (CIP 301-712)

## EDGEWATER PARK SOFTBALL AND SOCCER SYNTHETIC RESURFACING (2023-2024)

**Project Category:** B

**Project Description:**

The synthetic turf surface at Edgewater Park Softball and Soccer Fields, installed in FY 2013-2014, is set for replacement in FY 2023-2024. The project involves replacing the existing field's synthetic turf surface and addressing the base material to eliminate depressions. Verde Landscape Design was selected for field design on October 23, 2023. The design is currently halfway complete, with an estimated cost of \$875,000.00 covering both design and construction phases. Construction is scheduled to begin in July of 2024.

**Estimated Project Schedule:**

Design: FY 2023-2024

Construction: FY 2024-2025

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$350,000	\$0	\$0	\$0	\$0	\$350,000
<b>Total Funding Sources</b>	<b>\$350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$350,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$318,200	\$0	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$318,200</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$31,800</b>	<b>\$350,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-03 (CIP 301-714)

## SEA CLOUD MAINTENANCE SHED (2023-2024)

**Project Category:** B

**Project Description:**

The current maintenance shed at Sea Cloud Park is nearing 40 years old and serves as the main maintenance facility for not only Sea Cloud Park but is also home to police communication equipment which is vital to public safety. The maintenance facility serves as primary storage of light and heavy park maintenance equipment, a staff work and break area, and storage space for sports user groups. Over the years the structure has had multiple roof repairs to address leaks and, despite multiple efforts to eradicate water damage, the building has suffered major dry rot and structural issues. The project scope will include the necessary improvements to help the facility meet current building codes. An initial structural assessment was performed as part of CIP 301-693 Roof Replacements at City Buildings Project.

There is \$300,000 already appropriated to this project for design. Based on Council's direction, staff is budgeting an appropriation from City CIP for construction anticipated in FY 2026-2027 based on existing priorities and staff resources.

**Estimated Project Schedule:**

Design: FY 2025-2026

Construction: FY 2026-2027

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City		\$0	\$2,000,000	\$0	\$0	\$2,000,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,000,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$1,640,700	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$98,400	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,739,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$260,900</b>	<b>\$2,000,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-04 (NEW CIP)

## CITY HALL EXTERIOR REHABILITATION (FY 2024-2025)

**Project Category:** C

**Project Description:**

Due to drought restrictions, the water features located at the front of City Hall have been inactive for several years. This project involves design and construction of City Hall exterior improvements, including removal of the water feature closest to the council chambers. In its place, a shade structure with seating elements will be installed. Simultaneously, the fountain near the clock tower will be repurposed, transforming into a large planting bed equipped with drip irrigation. The landscaping along Hillsdale Blvd will undergo a refresh, replacing existing ground covers and converting to point source irrigation. This project will adopt a hybrid procurement approach, involving a combination of both City and contracted staff.

**Estimated Project Schedule:**

Design: FY 2024-2025

Construction: FY 2024-2025

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$200,000	\$0	\$0	\$0	\$0	\$200,000
<b>Total Funding Sources</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$173,900	\$0	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$173,900</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$26,100</b>	

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-05 (NEW CIP)

## DOG PARK INFRASTRUCTURE UPGRADE AND SYNTHETIC TURF REPLACEMENT (2025-2026)

**Project Category:** B

**Project Description:**

The synthetic turf inside the dog park requires replacement every five to seven years due to the volume of high impact traffic it receives. This project consists of replacing approximately 10,000 square feet of existing synthetic turf and repairing the base material, as required, to eliminate depressions. Replacement of the underlying drainage system is required prior to replacement of the turf.

**Estimated Project Schedule:**

Design: FY 2025-2026

Construction: FY 2025-2026

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>	
Fund 301 - CIP - City	\$0	\$500,000	\$0	\$0	\$0		\$500,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		<b>\$500,000</b>

  

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$0	\$422,200	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$12,600	\$0	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$434,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$65,200</b>	<b>\$500,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-06 (NEW CIP)

## TENNIS AND BASKETBALL COURTS RESURFACING (2025-2026)

**Project Category:** C

**Project Description:**

Tennis and Basketball Court surfaces are typically resurfaced every five to seven years, based on an evaluation of the condition of each court, to ensure that they are safe to play on and aesthetically pleasing. The work will include asphalt section replacement, filling depressions, crack repair, acrylic resurfacing, acrylic color coat, and new line striping.

The following six (6) Tennis Courts and six (6) Basketball Courts were last resurfaced in FY 2017-2018 and are anticipated to need resurfacing in FY 2025-2026.

TENNIS COURTS:

- (4) Boothbay Park
- (2) Edgewater Park

BASKETBALL COURTS:

Full Courts:

- (1) Shad Park
- (1) Sunfish Park
- (1) Turnstone Park
- (1) Boothbay Park

Half Courts:

- (1) Port Royal Park
- (1) Ketch Park

**Estimated Project Schedule:**

Design: FY 2025-2026

Construction: FY 2025-2026

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$0	\$320,000	\$0	\$0	\$0	\$320,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$320,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$320,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$282,500	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$8,400	\$0	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$290,900</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$29,100</b>	<b>\$320,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-07 (NEW CIP)

## CATAMARAN PARK IMPROVEMENTS (2026-2027)

**Project Category:** B

**Project Description:**

Catamaran Park features several high use public amenities including tennis courts, basketball courts, playground, a synthetic surface playing field and running track. This project would add improvements that would conserve water, promote good health, provide additional community gathering space and provide enhancements that would improve and expand current park usage. Enhancements would include the following:

- Removal of passive grass area near basketball courts and replace with synthetic turf and new fitness structure.
- New concrete pad to connect with existing pads allowing for additional picnic areas with four new shade structures to provide shade and cooler temperatures for users.

The project scope, schedule, and budget will be informed by the Parks Master Plan Study and ADA transition plan recommendations currently underway.

**Estimated Project Schedule:**

Design: FY 2026-2027

Construction: FY 2026-2027

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$0	\$0	\$550,000	\$0	\$0	\$550,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$550,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$550,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$451,300	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$27,000	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$478,300</b>	<b>\$0</b>	<b>\$0</b>	<b>\$71,700</b>	<b>\$550,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-08 (NEW CIP)

## CATAMARAN AND SEA CLOUD S3 SYNTHETIC RESURFACING (2026-2027)

**Project Category:** B

**Project Description:**

The synthetic turf surfaces at Catamaran and Sea Cloud S3 were installed in FY 2016-2017 and are scheduled for replacement in FY 2026-2027. The project consists of replacing the existing synthetic turf field surfaces and repairing the base material, as required, to eliminate depressions.

**Estimated Project Schedule:**

Design: FY 2026-2027

Construction: FY 2026-2027

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>
Fund 301 - CIP - City	\$0	\$0	\$1,800,000	\$0	\$0	\$1,800,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,800,000</b>

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$0	\$0	\$1,543,800	\$0	\$0		
Inflation %	— %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$0	\$92,600	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,636,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$163,600</b>	<b>\$1,800,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-09 (NEW CIP)

## AMPHITHEATER SYNTHETIC TURF RESURFACING (2026-2027)

**Project Category:** C

**Project Description:**

The synthetic turf surfaces at the amphitheater located at Leo J. Ryan Park were installed in FY 2017-2018 and are scheduled for replacement in FY 2026-2027. The project consists of replacing the existing synthetic turf surfaces and repairing the base material, as required, to eliminate depressions.

**Estimated Project Schedule:**

Design: FY 2026-2027

Construction: FY 2026-2027

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>
Fund 301 - CIP - City	\$0	\$0	\$120,000	\$0	\$0	\$120,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$120,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$120,000</b>

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$0	\$0	\$103,000	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$0	\$6,100	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$109,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,900</b>	<b>\$120,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-10 (NEW CIP)

## GULL PARK RENOVATION (2027-2028)

**Project Category:** B

**Project Description:**

This project will enhance Gull Park's accessibility and amenities by implementing a comprehensive improvement plan, including the design and installation of new ADA-compliant playground areas. (Funds for the playground structure are available in the Equipment Replacement Fund.)

Planned project elements include upgrading the picnic area with a shade structure and barbecue, which will create comfortable gathering spaces that extend outdoor usability. Additionally, the project will incorporate a 2' - 3' concrete retaining wall to secure the sand in place and enhance safety and will elevate the park's visual appeal by enhancing landscaping with elements designed to discourage Canada Geese from frequenting the area.

The project scope, schedule, and budget will be informed by the Parks Master Plan Study and ADA transition plan recommendations currently underway.

**Estimated Project Schedule:**

Design: FY 2027-2028

Construction: FY 2027-2028

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$0	\$0	\$0	\$3,550,000	\$0	\$3,550,000
Fund 502 - Equipment Replacement Fund	\$0	\$0	\$0	\$260,000	\$0	\$260,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,810,000</b>	<b>\$0</b>	<b>\$3,810,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$3,039,500	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$273,500	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,313,000</b>	<b>\$0</b>	<b>\$497,000</b>	<b>\$3,810,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-11 (NEW CIP)

## MARLIN PARK RENOVATION (2027-2028)

**Project Category:** B

**Project Description:**

This project will enhance Marlin Park's accessibility and amenities by implementing a comprehensive improvement plan, including the design and installation of new ADA-compliant playground areas. (Funds for the playground structures are available in the Equipment Replacement Fund.)

Planned project elements include upgrading the picnic area with a shade structure and barbecue which will create comfortable gathering spaces that extend outdoor usability. Additionally, the project will incorporate a 2' - 3' concrete retaining wall to secure the sand in place and enhance safety and will elevate the overall aesthetic by improving the landscaping and incorporating features to deter Canada Geese from inhabiting the park.

The project scope, schedule, and budget will be informed by the Parks Master Plan Study and ADA transition Plan recommendations currently underway.

**Estimated Project Schedule:**

Design: FY 2027-2028

Construction: FY 2027-2028

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$0	\$0	\$0	\$3,775,000	\$0	\$3,775,000
Fund 502 - Equipment Replacement Fund	\$0	\$0	\$0	\$125,000	\$0	\$125,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,900,000</b>	<b>\$0</b>	<b>\$3,900,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$3,111,300	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$280,000	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,391,300</b>	<b>\$0</b>	<b>\$508,700</b>	<b>\$3,900,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-12 (NEW CIP)

## BOOTHBAY PARK SITE IMPROVEMENTS (2027-2028)

**Project Category:** B

**Project Description:**

Boothbay Park is a “destination” park that draws users for a wide variety of activities. This renovation project includes the installation of a “Family Playground” for users of all ages. It also provides for picnic site improvements, including the addition of 2-3 reservable picnic areas (to make a total of 3-4) that have covered seating, barbecue space, and open passive space. The renovation will elevate Boothbay Park as an inclusive, multi-generational, multi-cultural space for all users within the parks system.

The project scope, schedule, and budget will be informed by the Parks Master Plan Study and ADA transition plan recommendations currently underway.

**Estimated Project Schedule:**

Design: FY 2027-2028

Construction: FY 2028-2029

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>
Fund 104 - Park-In-Lieu	\$0	\$0	\$0	\$0	\$2,050,000	\$2,050,000
Fund 301 - CIP - City	\$0	\$0	\$0	\$500,000	\$1,340,000	\$1,840,000
Fund 502 - Equipment Replacement Fund	\$0	\$0	\$0	\$0	\$110,000	\$110,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$3,500,000</b>	<b>\$4,000,000</b>

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$0	\$0	\$0	\$398,900	\$2,717,500		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$35,900	\$326,000		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$434,800</b>	<b>\$3,043,500</b>	<b>\$521,700</b>	<b>\$4,000,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-13 (NEW CIP)

## PARKING LOT RESURFACING (2028-2029)

**Project Category:** B

**Project Description:**

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 barrier, 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:

1. Boat Park
2. Boothbay Park
3. Civic Center and South Drive
4. Library/Community Center
5. Police Station
6. Port Royal
7. Sea Cloud Park large lot
8. Sea Cloud Park small lot
9. Senior Center

**Estimated Project Schedule:**

Design: FY 2028-2029

Construction: FY 2028-2029

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$0	\$0	\$0	\$0	\$600,000	\$600,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$600,000</b>	<b>\$600,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$0	\$487,100		
Inflation %	0 %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$58,400		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$545,500</b>	<b>\$54,500</b>	<b>\$600,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

PK-14 (NEW CIP)

## PORT ROYAL SYNTHETIC RESURFACING (2028-2029)

**Project Category:** B

**Project Description:**

The synthetic turf surfaces at Port Royal Park were installed in FY 2018-2019 and are scheduled for replacement in FY 2028-2029. The project consists of replacing the existing synthetic turf field surfaces and repairing the base material, as required, to eliminate depressions.

**Estimated Project Schedule:**

Design: FY 2028-2029

Construction: FY 2028-2029

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$0	\$0	\$0	\$0	\$925,000	\$925,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$925,000</b>	<b>\$925,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$0	\$750,900		
Inflation %	0 %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$90,000		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$840,900</b>	<b>\$84,100</b>	

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ST-01 (CIP 301-698)

## TRAFFIC SIGNAL SYSTEM UPGRADES (2020-2021)

**Project Category:** A

**Project Description:**

The City's traffic signal system was evaluated as part of the Bicycle, Pedestrian, and Intersection Evaluation Study (CIP 301-664). This part of the study focused on inventory of the existing traffic signal infrastructure network and identified opportunities to improve efficiency through either equipment or operations enhancements. This project is built upon recommendations from CIP 301-664 and will include the following tasks for design and construction.

**1. Citywide Communications Upgrade**

The City's existing traffic signal communications network is in need of an upgrade to help modernize its infrastructure. The current system operates over twisted-copper pair cables using 9,600-baud modems. The communications upgrade will bring the City's network to current standards, which will allow more flexibility with traffic operations enhancements such as improving traffic flow along the East Hillsdale Boulevard, Foster City Boulevard, and Edgewater Boulevard corridors. Upgrade options may include wireless improvements, ethernet over copper upgrade with some cellular improvements, an upgrade to fiber optic cables to maximize broadband capabilities, or a hybrid approach.

**2. Traffic Signal Field Hardware Upgrade**

- Vehicle and Pedestrian Signal Heads Replacement
- Accessible Pedestrian Signals (APS) Replacement
- Traffic Signal Cabinets Upgrades or replacements and retrofits onto existing cabinet foundations
- Battery Back-up System Upgrades

**3. Traffic Signal Controllers Replacement**

The traffic signal controller is considered the "brain" of the signalized intersection and processes detection inputs from the field and sends out signals to turn on and off the traffic signal indications. These field units communicate with the Central Computer System located in the Public Works Engineering office. The City uses a modern controller from Trafficware but the field hardware is reaching the end of its useful life.

**4. Advanced Traffic Management System (ATMS) – Central Computer System Upgrade**

This component communicates to the traffic signal controllers and stores data for traffic signal timing development. A new system will provide an enhanced user interface.

Funding for the design and construction of the traffic signal system upgrades in this project will be provided by a combination of City CIP, Transportation Impact Fees, and state funds. Total funding in excess of \$8 million may be required to implement and fully fund the design and construction of the traffic signal system upgrades. Construction of the project is recommended to be scheduled on or after FY 2025-2026 to allow for cash reserves from non-General Fund funding sources to accumulate.

The City needs to consider how best to upgrade its network and potentially introduce enhancement of additional City services. Due to the complexity of the project, a technical memorandum will be prepared by a professional traffic engineering consultant that will compare the various upgrade alternatives and associated costs, provide recommendations for the preferred system based on the City's current and future needs, recommend a phasing plan for design and construction of the improvements, and prepare a schedule for implementation.

**Estimated Project Schedule:**

Technical Memorandum: FY 2024-2025

Design: FY 2024-2025 – FY2025-2026

Construction: FY 2025-2026 - FY 2026-2027

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>
Fund 119 - SB1	\$0	\$1,520,000	\$700,000	\$0	\$0	\$2,220,000
Fund 136 - Measure W	\$1,000,000	\$500,000	\$800,000	\$0	\$0	\$2,300,000
Fund 144 - Impact - Transportation	\$0	\$325,000	\$500,000	\$0	\$0	\$825,000
Fund 301 - CIP - City	\$0	\$2,000,000	\$1,000,000	\$0	\$0	\$3,000,000
Fund 502 - Equipment Replacement Fund	\$0	\$480,000	\$0	\$0	\$0	\$480,000
<b>Total Funding Sources</b>	<b>\$1,000,000</b>	<b>\$4,825,000</b>	<b>\$3,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,825,000</b>

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$869,600	\$4,073,500	\$2,461,100	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$122,200	\$147,600	\$0	\$0		
<b>Total</b>	<b>\$869,600</b>	<b>\$4,195,700</b>	<b>\$2,608,700</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,151,000</b>	<b>\$8,825,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ST-02 (CIP 301-715)

## SUBSTRUCTURE AND SUPERSTRUCTURE BRIDGE IMPROVEMENTS (2023-2024)

**Project Category:** B

**Project Description:**

This project addresses deficiencies in Bicentennial, Foster City Boulevard, Rainbow, and Shell Boulevard Bridges. Caltrans performs inspections of the above water bridge elements every two years and the underwater elements every five years and reports its findings to the City. The project will address deficiencies identified in the Caltrans inspection documents and any deficiencies identified by a consultant engineering firm working directly for the City. As no addressable deficiencies have been identified in Caltrans underwater inspections, the project budget does not include funds to repair underwater bridge elements. Additional funding may be requested for the design and construction of underwater bridge improvements, if any are identified.

BKF Engineers was awarded a contract for design services in February 2024. The design will be performed in two phases. The initial phase entails conducting a thorough examination of previous Caltrans bridge inspection reports alongside current on-site inspections. This process will result in the development of a Basis of Design report delineating the elements requiring improvements. The second phase will consist of the development of construction documents, including bid and construction support services.

**Estimated Project Schedule:**

Design: FY 2023-2024

Construction: FY 2024-2025

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 119 - SB1	\$750,000	\$0	\$0	\$0	\$0	\$750,000
<b>Total Funding Sources</b>	<b>\$750,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$750,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$652,200	\$0	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$652,200</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$97,800</b>	<b>\$750,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ST-03 (NEW CIP)

## STREET REHABILITATION AND PARK PATHWAY RESTORATION (2024-2025)

**Project Category:** A

**Project Description:**

Ongoing maintenance of the public streets is essential. This project is intended to repair/resurface public streets. To implement this ongoing program in the most cost-effective manner, a Pavement Management Program (PMP) is used. The Metropolitan Transportation Commission's Pavement Management Technical Assistance Program (P-TAP) provides the City with various resources to better understand its pavement condition including the PMP. Through the P-TAP, pavement consultants are hired to inspect City streets and update the PMP database every two to three years. The streets selected for the next CIP project are determined primarily through the PMP program analysis. The program also helps determine the most cost-effective treatment to extend the life of the roadway. The normal repair methods include crack seal, slurry seal, dig-out repairs, and surface overlays. The project also includes curb and gutter replacement and sidewalk repairs on the streets that are being repaired. Bicycle improvements such as sharrows/symbols/legends will be incorporated in this project as appropriate. All improvements will be designed per the latest City and National Standards. This includes accessibility upgrades complying with the City's ADA Transition plan and all pavement work adhering to the requirements of the MRP3.0 (Municipal Regional Stormwater Permit) of the City's NPDES (National Pollutant Discharge Elimination System) Permit that took effect on July 1, 2023.

As part of P-TAP, the City also receives a budgetary need analysis report based on the most recent pavement inspections, treatment costs, and various budget scenarios. The ideal pavement strategy is to increase the network average Pavement Condition Index (PCI) from 79 to 83 and maintain it over a five-year period. Based on the 2021 report, the analysis of this strategy indicated a need for an amount of approximately \$1,500,000 budgeted annually for the next five years.

Federal and state transportation grant funding is used when available. Future multi-year funding is proposed to assure availability of local matching funds to maximize grant eligibilities. Funding for the local share of the project will be provided by Measure A, Measure M, Gas Tax, SB 1, and/or Measure W sources.

The design and construction of the project will include up to \$300,000 in park pathway restorations, which address needed repairs to asphalt pathways within various parks. Resurfacing park pathways on an ongoing basis keeps them in good repair, adds to the general surface life, enhances pedestrian safety, and prevents major repairs or replacements from becoming necessary. Maintenance activities that keep the paths in good condition include removing and replacing failed and root-damaged asphalt and installing root barrier, slurry seal, and, if needed, line striping. Funding for the pathways portion of the project will be provided from the General Fund.

**Estimated Project Schedule:**

Design: FY 2024-2025

Construction: FY 2024-2025

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>	
Fund 102 - Measure A	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	
Fund 103 - Gas Tax 2103	\$500,000	\$0	\$0	\$0	\$0	\$500,000	
Fund 301 - CIP - City	\$300,000	\$0	\$0	\$0	\$0	\$300,000	
<b>Total Funding Sources</b>	<b>\$1,800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,800,000</b>	

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$1,636,400	\$0	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$1,636,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$163,600</b>	<b>\$1,800,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ST-04 (NEW CIP)

## BICYCLE AND PEDESTRIAN IMPROVEMENTS PROJECT (2025-2026)

**Project Category:** C

**Project Description:**

In January 2018, Fehr & Peers performed a Bicycle, Pedestrian, and Intersection Evaluation Study (CIP 301-664) to help the City evaluate and determine the current traffic and transportation facilities and potential for improvements. As part of the study, Fehr & Peers performed an assessment for the four public schools that existed in Foster City at the time, to identify improvements to provide more comfortable bicycle and walking routes to school. The report describes citywide travel behavior trends for school trips and then provides a site assessment for each of the schools, including cost estimates for suggested enhancements. Some of the report recommendations have already been implemented.

The Bicycle and Pedestrian Improvements Project analyzes the remaining enhancements identified for each of the four Foster City public schools to meet the City's goals for pedestrian safety. The newly constructed Beach Park School would be included in the assessment. Some suggested enhancements include physical changes to the roadway, curb/gutter, or sidewalk, striping, and signage modifications. A consultant would review and analyze the assessment, perform field inspections, and perform additional traffic studies to develop project plans and specifications to implement the enhancements and the potential to implement complementary improvements such as green infrastructure (e.g., stormwater treatment within curb extensions).

Based upon the proposed project schedule, an RFP for assessment and design will be issued in 2025. Construction is anticipated in 2026.

**Estimated Project Schedule:**

Design: FY 2025-2026

Construction: FY 2026-2027

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>
Fund 105 - Measure M	\$0	\$75,000	\$250,000	\$0	\$0	\$325,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$75,000</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$325,000</b>

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$0	\$63,400	\$205,100	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$1,800	\$12,300	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$65,200</b>	<b>\$217,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$42,400</b>	<b>\$325,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ST-05 (NEW CIP)

## STREET REHABILITATION AND PARK PATHWAY RESTORATION (2025-2026)

**Project Category:** A

**Project Description:**

Ongoing maintenance of the public streets is essential. This project is intended to repair/resurface public streets. To implement this ongoing program in the most cost-effective manner, a Pavement Management Program (PMP) is used. The Metropolitan Transportation Commission’s Pavement Management Technical Assistance Program (P-TAP) provides the City with various resources to better understand its pavement condition including the PMP. Through the P-TAP, pavement consultants are hired to inspect City streets and update the PMP database every two to three years. The streets selected for the next CIP project are determined primarily through the PMP program analysis. The program also helps determine the most cost-effective treatment to extend the life of the roadway. The normal repair methods include crack seal, slurry seal, dig-out repairs, and surface overlays. The project also includes curb and gutter replacement and sidewalk repairs on the streets that are being repaired. Sharrow symbols/legends will be incorporated in this project as appropriate. All improvements will be designed per the latest City and National Standards. This includes accessibility upgrades complying with the City’s ADA Transition plan and all pavement work adhering to the requirements of the MRP3.0 (Municipal Regional Stormwater Permit) of the City’s NPDES (National Pollutant Discharge Elimination System) Permit that took effect on July 1, 2023.

As part of P-TAP, the City also receives a budgetary need analysis report based the most recent pavement inspections, treatment costs, and various budget scenarios. The ideal pavement strategy is to increase the network average Pavement Condition Index (PCI) from 79 to 83 and maintain it over a five-year period. Based on the 2021 report, the analysis of this strategy indicated a need for an amount of approximately \$1,500,000 budgeted annually for the next five years.

Federal and state transportation grant funding is used when available. Future multi-year funding is proposed to assure availability of local matching funds to maximize grant eligibilities. Funding for the local share of the project will be provided by Measure A, Measure M, Gas Tax, SB 1 and/or Measure W sources.

The design and construction of the project will include up to \$300,000 in park pathway restorations, which address needed repairs to asphalt pathways within various parks. Resurfacing park pathways on an on-going basis keeps them in good repair, adds to the general surface life, enhances pedestrian safety, and prevents major repairs or replacements from becoming necessary. Maintenance activities that keep the paths in good condition include removing and replacing failed and root-damaged asphalt and installing root barrier, slurry seal, and, if needed, line striping. Funding for the pathways portion of the project will be provided from the General Fund.

**Estimated Project Schedule:**

Design: FY 2025-2026

Construction: FY 2025-2026

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 102 - Measure A	\$0	\$1,500,000	\$0	\$0	\$0	\$1,500,000
Fund 301 - CIP - City	\$0	\$300,000	\$0	\$0	\$0	\$300,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$1,800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,800,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$1,588,800	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$47,600	\$0	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$1,636,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$163,600</b>	<b>\$1,800,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ST-06 (NEW CIP)

## FIRE AND RESCUE BOAT RAMP REHABILITATION (2026-2027)

**Project Category:** B

**Project Description:**

The existing fire and rescue boat ramp provides access to the San Francisco Bay from the northeast tip of Mariner’s Point/north of Baywinds Park. The fire and rescue boat ramp is primarily used as a launching point for water rescue operations.

The purpose of the project is to relocate a new ramp at the northwest tip of Mariner’s Point to replace the existing ramp and improve accessibility for fire and rescue. The improvements will include temporary shoring, dewatering, demolition of the existing ramp, excavation and backfilling, and construction of various ramp improvements.

The boat ramp rehabilitation was originally included in the City’s Levee Improvement Project at Access Point #1, but was a scope item that had been added to the plans later in the design phase and was causing complications with the overall build. It was determined that the construction could potentially delay the delivery of the project as well as the re-opening of the Phase 3 portion of the Levee. As a result, this portion of the scope of work was removed from the levee project.

**Estimated Project Schedule:**

Permitting Requirements/Design: FY 2026-2027

Construction: FY 2028-2029

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$0	\$0	\$80,000	\$0	\$200,000	\$280,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$80,000</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$280,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$65,700	\$0	\$155,300		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$3,900	\$0	\$18,600		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$69,600</b>	<b>\$0</b>	<b>\$173,900</b>	<b>\$36,500</b>	<b>\$280,000</b>

**CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN**  
**ST-07 (NEW CIP)**

**STREET REHABILITATION AND PARK PATHWAY RESTORATION (2026-2027)**

**Project Category:** A

**Project Description:**

Ongoing maintenance of the public streets is essential. This project is intended to repair/resurface public streets. To implement this ongoing program in the most cost-effective manner, a Pavement Management Program (PMP) is used. The Metropolitan Transportation Commission's Pavement Management Technical Assistance Program (P-TAP) provides the City with various resources to better understand its pavement condition including the PMP. Through the P-TAP, pavement consultants are hired to inspect City streets and update the PMP database every two to three years. The streets selected for the next CIP project are determined primarily through the PMP program analysis. The program also helps determine the most cost-effective treatment to extend the life of the roadway. The normal repair methods include crack seal, slurry seal, dig-out repairs, and surface overlays. The project also includes curb and gutter replacement and sidewalk repairs on the streets that are being repaired. Bicycle improvements such as sharrows/symbols/legends will be incorporated in this project as appropriate. All improvements will be designed per the latest City and National Standards. This includes accessibility upgrades complying with the City's ADA Transition plan and all pavement work adhering to the requirements of the MRP3.0 (Municipal Regional Stormwater Permit) of the City's NPDES (National Pollutant Discharge Elimination System) Permit that took effect on July 1, 2023.

As part of P-TAP, the City also receives a budgetary need analysis report based on the most recent pavement inspections, treatment costs, and various budget scenarios. The ideal pavement strategy is to increase the network average Pavement Condition Index (PCI) from 79 to 83 and maintain it over a five-year period. Based on the 2021 report, the analysis of this strategy indicated a need for an amount of approximately \$1,500,000 budgeted annually for the next five years.

Federal and state transportation grant funding is used when available. Future multi-year funding is proposed to assure availability of local matching funds to maximize grant eligibilities. Funding for the local share of the project will be provided by Measure A, Measure M, Gas Tax, SB 1 and/or Measure W sources.

The design and construction of the project will include up to \$300,000 in park pathway restorations, which address needed repairs to asphalt pathways within various parks. Resurfacing park pathways on an ongoing basis keeps them in good repair, adds to the general surface life, enhances pedestrian safety, and prevents major repairs or replacements from becoming necessary. Maintenance activities that keep the paths in good condition include removing and replacing failed and root-damaged asphalt and installing root barrier, slurry seal, and, if needed, line striping. Funding for the pathways portion of the project will be provided from the General Fund.

**Estimated Project Schedule:**

Design: FY 2026-2027

Construction: FY 2026-2027

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>
Fund 102 - Measure A	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
Fund 119 - SB1	\$0	\$0	\$500,000	\$0	\$0	\$500,000
Fund 301 - CIP - City	\$0	\$0	\$300,000	\$0	\$0	\$300,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,800,000</b>

  

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$0	\$0	\$1,543,800	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$0	\$92,600	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,636,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$163,600</b>	<b>\$1,800,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ST-08 (NEW CIP)

## STREET REHABILITATION (2027-2028)

**Project Category:** A

**Project Description:**

Ongoing maintenance of the public streets is essential. This project is intended to repair/resurface public streets. To implement this ongoing program in the most cost-effective manner, a Pavement Management Program (PMP) is used. The Metropolitan Transportation Commission's Pavement Management Technical Assistance Program (P-TAP) provides the City with various resources to better understand its pavement condition including the PMP. Through the P-TAP, pavement consultants are hired to inspect City streets and update the PMP database every two to three years. The streets selected for the next CIP project are determined primarily through the PMP program analysis. The program also helps determine the most cost-effective treatment to extend the life of the roadway. The normal repair methods include crack seal, slurry seal, dig-out repairs, and surface overlays. The project also includes curb and gutter replacement and sidewalk repairs on the streets that are being repaired. Bicycle improvements such as sharrows symbols/legends will be incorporated in this project as appropriate. All improvements will be designed per the latest City and National Standards. This includes accessibility upgrades complying with the City's ADA Transition plan and all pavement work adhering to the requirements of the MRP3.0 (Municipal Regional Stormwater Permit) of the City's NPDES (National Pollutant Discharge Elimination System) Permit that took effect on July 1, 2023.

As part of P-TAP, the City also receives a budgetary need analysis report based the most recent pavement inspections, treatment costs, and various budget scenarios. The ideal pavement strategy is to increase the network average Pavement Condition Index (PCI) from 79 to 83 and maintain it over a five-year period. Based on the 2021 report, the analysis of this strategy indicated a need for an amount of approximately \$1,500,000 budgeted annually for the next five years.

Federal and state transportation grant funding is used when available. Future multi-year funding is proposed to assure availability of local matching funds to maximize grant eligibilities. Funding for the local share of the project will be provided by Measure A, Measure M, Gas Tax, SB 1 and/or Measure W sources.

**Estimated Project Schedule:**

Design: FY 2027-2028

Construction: FY 2027-2028

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 102 - Measure A	\$0	\$0	\$0	\$900,000	\$0	\$900,000
Fund 119 - SB1	\$0	\$0	\$0	\$900,000	\$0	\$900,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,800,000</b>	<b>\$0</b>	<b>\$1,800,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$1,501,300	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$0	\$0	\$135,100	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,636,400</b>	<b>\$0</b>	<b>\$163,600</b>	<b>\$1,800,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

ST-09 (NEW CIP)

## STREET REHABILITATION (2028-2029)

**Project Category:** A

**Project Description:**

Ongoing maintenance of the public streets is essential. This project is intended to repair/resurface public streets. To implement this ongoing program in the most cost-effective manner, a Pavement Management Program (PMP) is used. The Metropolitan Transportation Commission's Pavement Management Technical Assistance Program (P-TAP) provides the City with various resources to better understand its pavement condition including the PMP. Through the P-TAP, pavement consultants are hired to inspect City streets and update the PMP database every two to three years. The streets selected for the next CIP project are determined primarily through the PMP program analysis. The program also helps determine the most cost-effective treatment to extend the life of the roadway. The normal repair methods include crack seal, slurry seal, dig-out repairs, and surface overlays. The project also includes curb and gutter replacement and sidewalk repairs on the streets that are being repaired. Bicycle improvements such as sharrows/symbols/legends will be incorporated in this project as appropriate. All improvements will be designed per the latest City and National Standards. This includes accessibility upgrades complying with the City's ADA Transition plan and all pavement work adhering to the requirements of the MRP3.0 (Municipal Regional Stormwater Permit) of the City's NPDES (National Pollutant Discharge Elimination System) Permit that took effect on July 1, 2023.

As part of P-TAP, the City also receives a budgetary need analysis report based the most recent pavement inspections, treatment costs, and various budget scenarios. The ideal pavement strategy is to increase the network average Pavement Condition Index (PCI) from 79 to 83 and maintain it over a five-year period. Based on the 2021 report, the analysis of this strategy indicated a need for an amount of approximately \$1,500,000 budgeted annually for the next five years.

Federal and state transportation grant funding is used when available. Future multi-year funding is proposed to assure availability of local matching funds to maximize grant eligibilities. Funding for the local share of the project will be provided by Measure A, Measure M, Gas Tax, SB 1 and/or Measure W sources.

**Estimated Project Schedule:**

Design: FY 2028-2029

Construction: FY 2028-2029

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 102 - Measure A	\$0	\$0	\$0	\$0	\$900,000	\$900,000
Fund 119 - SB1	\$0	\$0	\$0	\$0	\$900,000	\$900,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,800,000</b>	<b>\$1,800,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$0	\$1,461,100		
Inflation %	0 %	3 %	6 %	9 %	12 %	10.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$175,300		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,636,400</b>	<b>\$163,600</b>	<b>\$1,800,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

SW-01 (CIP 301-717)

## ADD THIRD AND FOURTH LAGOON PUMP AND RELATED INFRASTRUCTURE (2023-2024)

**Project Category: A**

**Project Description:**

This project provides for the removal of 2 non-functioning lagoon pump engines, impellers, shafts, and associated plumbing that were abandoned in place when the two current pumps were installed in 2001, so that a third and possibly fourth functioning lagoon pump may be installed.

Studies have shown that from 1974 to 2019 severe storms have become more frequent and grown in intensity due to climate change effects. When a significant storm event has occurred, there are short durations when both lagoon pumps have been in operation and the lagoon level has continued to rise. This issue is expected to be exacerbated with both sea level rise and increased severity of atmospheric rivers predicted with climate change. This project will add a third and possibly fourth pump to the existing lagoon pump station which will provide the City with the redundancy to reduce the risk of flooding should a failure occur to either of the two existing pumps during a severe storm and high tide condition. It will also retrofit all four bay's trash racks, two of which currently do not have any racks and two of which have a known deficiency of a 3-foot opening between the bottom of the trash rack and the base of the intake structure.

The two existing lagoon pumps were replaced in 2001 and are 20 years old. Although the useful life is approximately 35 years, if one were to fail, it could take several weeks to repair. In recent years, there have been incidents in which debris such as tires, etc. have caused a pump to fail. If this were to occur during a storm event, it would be catastrophic. Adding a third and fourth pump would allow for uninterrupted operation, redundancy, staggered replacement of the lagoon pumps, and provide maximum protection against the potential for flooding and property damage. More information and cost estimate updates are expected once preliminary engineering is finished.

**Estimated Project Schedule:**

Design: FY 2023-2024 through FY 2024-2025

Construction: FY 2024-2025 through FY 2025-2026

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$2,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,000,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$1,688,500	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$50,600	\$0	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$1,739,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$260,900</b>	<b>\$2,000,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

SW-02 (CIP 301-718)

## LAGOON PUMP STATION BUILDING REHABILITATION (2023-2024)

**Project Category:** A

**Project Description:**

This project will provide for above and below grade improvements to the lagoon pump station building at the City's Corporation Yard including but not limited to trash rack retrofits and any additional identified vulnerabilities that result from further structural evaluation.

The lagoon pump station located at the City/District's Corporation Yard, houses two (2) engines/pumps used to pump lagoon water into the bay to control the water level in the interior lagoon. It was constructed in the early 1960's and is one of the oldest City-owned buildings. Water flows through the culverts under the lagoon pump station building and is pumped into the Bay from the Lagoon Pump Station Building. Severe concrete spalling has been noted in some locations on the building which adversely affects the structural integrity of certain elements of the facility. In addition, numerous structural code changes have been adopted since the design of this building and, as such, bringing this critical building up to code and increasing its seismic resilience is recommended.

In a report prepared by Murray Smith, Inc. in May 2021, as part of CIP 301-690 Sesimic Improvements project, recommendations were made to perform an in-depth evaluation of the building to include additional structural evaluation of the lagoon pump station building and the below water structures based on current building code standards. The recommendation included further structural investigation and analysis of the lagoon walkway, channels, trash racks (previously replaced in 2010), and foundation, to determine potential structural deficiencies with the intent to replace.

This project will provide for a seismic analysis of the building including recommendations for structural improvements required to meet current standards and/or potential replacement of the building. Based on the analysis, a construction budget will be identified, and any additional funding requests will be brought back to the City Council.

Originally, work at the lagoon intake structure near Wheel House Lane was included in this project. After careful consideration, a separate CIP has been identified in this year's CIP (Lagoon Intake Structure Rehabilitation Project) to address deficiencies on its own timeline. A placeholder for funding for construction has been established in the CIP, which will be refined as the project scope is defined and cost estimates are developed based on needed improvements.

**Estimated Project Schedule:**

Technical Memorandum: FY 2023-2024

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 301 - CIP - City	\$470,000	\$4,950,000	\$4,300,000	\$0	\$0	\$9,720,000
<b>Total Funding Sources</b>	<b>\$470,000</b>	<b>\$4,950,000</b>	<b>\$4,300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$9,720,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$408,700	\$4,179,000	\$3,527,500	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$125,300	\$211,600	\$0	\$0		
<b>Total</b>	<b>\$408,700</b>	<b>\$4,304,300</b>	<b>\$3,739,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,267,900</b>	<b>\$9,720,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

SW-03 (NEW CIP)

## LAGOON INTAKE STRUCTURE REHABILITATION (2024-2025)

**Project Category:** A

**Project Description:**

This project was originally scoped to be part of CIP 301-718 – Lagoon Pump Station Building Rehabilitation. However, removing this portion of the work into a discrete CIP will provide greater flexibility for project management, as the project location and timelines may differ.

The City’s lagoon system intakes water via three pipes and a system of gates on the southern end of the City near Wheel House Lane. The interior structure, built in the late 1960s, has some deficiencies that are in need of repair and require further investigation to better understand the extent of necessary repairs. The overall structure consists of an intake structure with three, 42-inch slide gates, three 42-inch reinforced concrete pipes that run from the bay to the lagoon under Sea Cloud park, and an outfall structure with three 42-inch flap gates. The flap gates have exceeded their useful life and are in need of replacement to ensure they work as designed. Concrete spalling has been noted on the outfall structure which needs to be investigated to see the extent of repairs needed.

Permits for this work are likely needed from both the Regional Water Quality Control Board (RWQCB) and the United States Army Corps of Engineers. (USACE). While these permits are not expected to place onerous restrictions on the project, they will take around 6 months to obtain and will restrict the working window for the project, which will impact project delivery time.

An investigative study is needed to fully scope the project and lay out any needed environmental and permit clearance. This will be followed by an engineering design and then construction of the needed rehabilitation.

**Estimated Project Schedule:**

Technical Memo: 2024-25

Design: FY 2025-26

Construction: FY 2026-2027

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>
Fund 301 - CIP - City	\$30,000	\$50,000	\$700,000	\$0	\$0	\$780,000
<b>Total Funding Sources</b>	<b>\$30,000</b>	<b>\$50,000</b>	<b>\$700,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$780,000</b>

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$26,100	\$42,300	\$574,300	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$1,200	\$34,400	\$0	\$0		
<b>Total</b>	<b>\$26,100</b>	<b>\$43,500</b>	<b>\$608,700</b>	<b>\$0</b>	<b>\$0</b>	<b>\$101,700</b>	<b>\$780,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WA-01 (NEW CIP)

## WATER MAIN CONDITION ASSESSMENT (2025-2026)

**Project Category:** B

**Project Description:**

This project was originally scoped to be part of (CIP 405-704) Water Transmission and Distribution Systems Improvements Project. However, it was moved into its own CIP to provide greater flexibility for project management as the project timelines differ. This project is identified in the Water Distribution System Master Plan. The 24-inch cement mortar lined and coated steel transmission main is the District's sole source of water from SFPUC and was constructed in 1962. A condition assessment of the transmission main and other steel mains that comprise the backbone of the District's water system was performed by Corpro in 2005. Various internal surveys (video inspection and b-scan ultrasonic wall thickness) and external surveys (Corrscan coating, DCVG, close interval cathodic protection, and soil resistivity) were performed on representative samples of the District's steel mains. At the time, the District's steel mains were determined to be in very good condition. It is recommended that the District's transmission main undergo a new assessment within the 20 year period. Findings from the assessment would be the basis for identifying future waterline improvements for incorporation into the CIP.

**Estimated Project Timeline:**

Assessment: FY 2025-2026

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 405 - CIP - Water	\$0	\$150,000	\$0	\$0	\$0	\$150,000
Fund 409 - Water Connection Fees	\$0	\$100,000	\$0	\$0	\$0	\$100,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$211,100	\$0	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$6,300	\$0	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$217,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$32,600</b>	<b>\$250,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WA-02 (NEW CIP)

## PERMANENT EMERGENCY BYPASS TRANSMISSION MAIN ON E. THIRD AVE. (2025-2026)

**Project Category:** A

**Project Description:**

This project will improve water supply reliability and redundancy and minimize water service interruptions in a catastrophic seismic event. The District’s 24-inch water transmission main pipeline is the sole source of potable water for the City and is attached to the Seal Slough Bridge. Seal Slough Bridge was built in the 1930s and is used as a pedway only. The bridge is aging and could fail in the event of an earthquake and with it, the District would lose its primary water supply.

As part of CIP 405-636 Water System Improvements and Valve Replacements Project, two 12-inch emergency water bypass connections, with isolation valves and fittings, were constructed on the transmission main beyond the ends of the bridge to provide a means of restoring water service quickly in the event of bridge and pipeline failure. As part of the project, 1,250 feet of 12-inch temporary bypass piping was purchased and is being stored at the District’s Corporation Yard. This pipe can be assembled by staff quickly (within 1-2 days) in an emergency to restore flow until the transmission main can be repaired.

This project provides for the construction of a permanent bypass pipe to be attached to the adjacent bridge on East Third Avenue and joined at the second bypass connection that was constructed as part of CIP 405-636. Acquisition of environmental permits for construction over the slough and coordination with the City of San Mateo will be required. The permanent bypass pipe would provide a redundant water supply immediately and increase speed of response during an emergency.

**Estimated Project Schedule:**

Design: FY 2025-2026

Construction: FY 2026-2027

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 405 - CIP - Water	\$0	\$300,000	\$700,000	\$0	\$0	\$1,000,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$700,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$253,400	\$574,300	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$7,500	\$34,400	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$260,900</b>	<b>\$608,700</b>	<b>\$0</b>	<b>\$0</b>	<b>\$130,400</b>	<b>\$1,000,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WA-03 (NEW CIP)

## LARGE WATER VALVE REPLACEMENT (2026-2027)

**Project Category:** B

**Project Description:**

This project is part of the District’s ongoing program of maintaining and upgrading the water system through the installation of new valves, replacement of existing valves (8-inches and larger) and various improvements to the water system to improve reliability and minimize service impacts to customers.

Valves included on the replacement list are either leaking, no longer functioning properly, or have reached the end of their useful life. The valves are discovered primarily through testing during the water main / fire hydrant flushing program. Additional valves are added to the project by inspecting the system and identifying the need for additional isolation valves to provide more reliable service to customers.

This on-going program helps keep the water distribution system in good condition to allow the provision of reliable service to the community. The program may include strategic use of line-stop technologies to minimize water service interruptions to large blocks of customers during the construction period.

**Estimated Project Schedule:**

Design: FY 2026-2027

Construction: FY 2027-2028

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 405 - CIP - Water	\$0	\$0	\$1,000,000	\$500,000	\$0	\$1,500,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$1,500,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$820,400	\$398,900	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$49,200	\$35,900	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$869,600</b>	<b>\$434,800</b>	<b>\$0</b>	<b>\$195,600</b>	<b>\$1,500,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WA-04 (NEW CIP)

## COATING ON 24-INCH TRANSMISSION MAIN AT SEAL SLOUGH BRIDGE (2026-2027)

**Project Category:** B

**Project Description:**

This project will address the application of exterior coating on the 24-inch transmission main attached to the Seal Slough Bridge. An inspection of the pipeline will be performed, followed by preparation of a technical memorandum recommending removal and coating alternatives, and regulatory permitting requirements, including cost estimates for the pipe preparation and coating application. Design and construction will follow.

The Foster City/EMID 24-inch water transmission main is attached to and runs the length of the Seal Slough Bridge. This steel line is exposed to the elements of the bay. Through the years of exposure to sun and saltwater air along the bay shore, the original protective coating is showing signs of age and corrosion and the pipeline requires recoating to prolong its life. This transmission line runs over the San Francisco Bay and will require procurement of regulatory permits for work over the waterway.

**Estimated Project Schedule:**

Assessment and Design: 2026-2027

Construction: FY 2027-2028

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 405 - CIP - Water	\$0	\$0	\$500,000	\$0	\$0	\$500,000
Fund 409 - Water Connection Fees	\$0	\$0	\$500,000	\$0	\$0	\$500,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$820,400	\$0	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$49,200	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$869,600</b>	<b>\$0</b>	<b>\$0</b>	<b>\$130,400</b>	<b>\$1,000,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WA-05 (NEW CIP)

## REPLACEMENT OF CATHODIC PROTECTION ANODE BEDS (2027-2028)

**Project Category:** A

**Project Description:**

There are a total of six (6) Impressed Current Cathodic Protection (ICCP) systems installed to protect the District's steel transmission main and distribution mains from corrosion/rust. Further, there are three (3) ICCP systems installed to protect each of the District's three 4 million gallon steel water storage tanks. Each ICCP is comprised of a rectifier (controllable DC power supply), anode beds(s) and connections from the rectifier negative output terminal to the pipeline or structure being protected.

Continuing maintenance of the cathodic protection system is required to ensure sufficient protection is maintained on the structures in order to prevent external corrosion while maintaining the water system infrastructure. District staff takes readings of the rectifiers on a monthly basis, and annually tests the effectiveness of the existing cathodic protection system throughout the distribution system, replacing and adjusting the levels of the rectifiers as necessary. An assessment of the cathodic protection systems was performed in 2006 by Corrpro, and determined that there was approximately 20 years of useful life left in the existing anode beds studied.

This project will provide a condition survey of the anode beds associated with each impressed current cathodic protection system and make recommendations for replacement as needed. Based on the improvements required by the survey, a construction budget will be identified, and a funding request will be brought back to the City Council.

**Estimated Project Schedule:**

Design: FY 2027-2028

Construction/Installation: FY 2028-2029

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 405 - CIP - Water	\$0	\$0	\$0	\$500,000	\$0	\$500,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$500,000	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WA-06 (NEW CIP)

## WATER FACILITIES SEISMIC VULNERABILITY ASSESSMENT (2027-2028)

**Project Category:** A

**Project Description:**

This project will address improvements at the Water Booster Pump Station located at the District's Corporation Yard. The Water Booster Pump station houses four engines and pumps that are used to pump water from the District's four storage tanks into the distribution system during periods of peak demand and to cycle the water in the storage tanks.

A contract with G&E Engineering Systems, Inc. was executed in summer 2012 to perform a seismic vulnerability assessment of the pump station. The report was completed in September 2013. The report cited the following recommended improvements: reinforcement of the building opening at the roll-up doors to prevent deformation or drifts resulting from a seismic event that may prevent the door from opening and closing; securing of equipment within the building; and installation of flexible connections on the underground utilities entering the building to allow differential movement during earthquakes.

Plans and specifications were prepared as part of CIP 660 Water Tank Improvements Project to address the recommended repairs. These improvements are scheduled to start construction in February 2024.

In the Water Master Plan prepared by HydroScience in May 2021, it was recommended that the District perform a seismic vulnerability assessment of its critical infrastructure every 10-15 years to maintain compliance with current seismic code regulations.

This project will provide for an updated seismic analysis of the building including recommendations for structural improvements required to meet standards at the time of the analysis. Based on the analysis, a construction budget will be identified, and any additional funding requests will be brought back to the City Council.

**Estimated Project Schedule:**

Preliminary Design and inspection: FY 2027-2028

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 405 - CIP - Water	\$0	\$0	\$0	\$125,000	\$0	\$125,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$125,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$99,800	\$0		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$8,900	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$108,700</b>	<b>\$0</b>	<b>\$16,300</b>	<b>\$125,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WA-07 (NEW CIP)

## TWO ENGINES AND PUMP REPLACEMENT AT WATER BOOSTER PUMP STATION (2027-2028)

**Project Category:** A

**Project Description:**

The Water Booster Pump Station houses six (6) pumps. Currently, there are two (2) electric powered motor driven pumps (installed in 2005), two (2) natural gas (with propane backup) powered engine driven pumps, and two (2) diesel powered engine driven pumps. Two (2) of the natural gas-powered engines and pumps were installed in 2018 and are operational. However, the two (2)-diesel powered engine drive pumps are over 40 years old and past their useful life. Currently those two are not operational.

This project provides for the removal and replacement of the 2 non-functioning diesel powered engines/pumps with 2 new electric powered motor/pumps to provide maximum operational flexibility and additional redundancy. The project will also include Supervisory Control and Data Acquisition (SCADA) system upgrades to match the existing set up.

**Estimated Project Schedule:**

Design: FY 2027-2028

Construction/Installation: 2028-2029

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 405 - CIP - Water	\$0	\$0	\$0	\$375,000	\$600,000	\$975,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$375,000</b>	<b>\$600,000</b>	<b>\$975,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$299,200	\$465,900		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$26,900	\$55,800		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$326,100</b>	<b>\$521,700</b>	<b>\$127,200</b>	<b>\$975,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WA-08 (NEW CIP)

## CHLORINE ANALYZERS AND AUTOFLUSHERS AT VARIOUS LOCATIONS (2028-2029)

**Project Category:** A

**Project Description:**

This project will address implementing long-term technology solutions for the water quality issues that Foster City experiences in winter months. This project provides for the design and construction of chlorine analyzers and automatic flushers throughout Foster City.

EMID purchases water treated with a disinfectant agent (chloramine) from the SFPUC. Chloramine disinfection is more environmentally friendly than other disinfectant options, but presents operational challenges for distribution system operators. If chloramine is allowed to remain in the distribution system for a lengthy period, the disinfectant can degrade, reducing the chlorine residual, adversely affecting water quality.

Successful water conservation efforts over the past years have reduced water demand, and as a result, water is subject to “aging” in the distribution system. In the winter months, when irrigation use is down and water demands are low, staff has observed chlorine residuals falling to actionable levels, forcing staff to flush hydrants to stimulate water circulation to increase the disinfectant levels in the water system. In 2022, staff performed an experiment to determine if irrigating sports fields at the furthest reaches of the system would improve system-wide disinfection levels. In partnership with the Parks Department, irrigation of City parks in strategic areas of the water distribution system was increased. Initial results have shown that residuals have improved. More time is also needed to monitor and validate data following installation of mixers as part of (CIP 405-660) Water Tank Improvements project which is starting construction in February 2024.

This project will install automatic flushers and chlorine analyzers at various key locations throughout the City. The chlorine analyzers will measure the level of disinfectant (chlorine residual) in the water in areas where water aging has been observed. At a specified threshold, the analyzers will trigger the automatic flushers to flush water through the system until the chlorine residuals are back to a non-actionable level. The installation of chlorine analyzers and automatic flushers will save staff time in having to flush water mainlines manually, also saving the City funds in labor costs.

**Estimated Project Schedule:**

Design: FY 2027-2028

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 405 - CIP - Water	\$0	\$0	\$0	\$0	\$700,000	\$700,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$700,000</b>	<b>\$700,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$0	\$543,500		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$65,200		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$608,700</b>	<b>\$91,300</b>	<b>\$700,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WA-09 (NEW CIP)

## EAST HILLSDALE BOULEVARD LOOP (2028-2029)

**Project Category:** B

**Project Description:**

This project was originally scoped to be part of (CIP 405-704) Water Transmission and Distribution Systems Improvements Project. However, it was moved into its own CIP to provide greater flexibility for project management as the project timelines differ. It addresses completing a waterline loop along East Hillsdale Boulevard to connect two existing pipelines to facilitate the flow of water for both normal and emergency operations. The project is identified in the Water Distribution System Master Plan that was completed in 2020.

The work will consist of the installation of approximately 40 feet of 8-inch potable water PVC pipe by connecting an existing 8-inch ACP pipeline with an existing 8-inch PVC pipeline, to improve the available fire flows in the area.

The project supports the District's ongoing program to maintain and upgrade the water system to improve reliability and minimize service interruptions.

**Estimated Project Timeline:**

Design: FY 2028-2029

Construction: FY 2028-2029

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>
Fund 405 - CIP - Water	\$0	\$0	\$0	\$0	\$138,000	\$138,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$138,000</b>	<b>\$138,000</b>

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$0	\$0	\$0	\$0	\$107,200		
Inflation %	0 %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$12,800		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$120,000</b>	<b>\$18,000</b>	<b>\$138,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WW-01 (CIP 455-652)

## WASTEWATER TREATMENT PLANT MASTER PLAN IMPROVEMENTS (2015-2016)

**Project Category:** A

**Project Description:**

The Clean Water Program (CWP) includes capital improvements to the San Mateo Wastewater Treatment Plant (WWTP) and San Mateo's sanitary sewer collection system necessary to replace aging infrastructure and meet regulatory requirements.

In accordance with the percentages of ownership of the WWTP established in the JPA (as lead agency, San Mateo owns approximately 75 percent and EMID owns approximately 25 percent), EMID is only responsible for its proportionate share of the relevant work related to the Wastewater Treatment Plant Master Plan improvements. The estimated share of the WWTP costs for EMID is approximately \$164.4 million dollars. To date, \$154,294,218 has been encumbered for this multi-year project. Approximately, an additional \$10.1 million is anticipated over the next 3 years as shown in the funding table at the end of this Project Description.

Encumbered:	
FY 2015-2016	\$5,931,000
FY 2016-2017	\$10,984,000
FY 2017-2018	\$12,345,628
FY 2018-2019	\$8,680,985
FY 2019-2020	\$4,563,622
FY 2020-2021	\$8,315,581
FY 2021-2022	\$52,558,950
FY 2022-2023	\$39,784,663
FY 2023-2024	\$11,129,789
	<hr/>
	\$154,294,218

Anticipated:	
FY 2024-2025 through FY 2026-27	<u>\$10,102,575</u>

**Total Project Budget** **\$164,396,793**

In 2023 (year 9), the CWP continued to focus on the construction phase of the WWTP project to assist with full project delivery and execution of major improvement projects. Some notable accomplishments include the following:

WWTP Upgrade & Expansion Project

- Submitted the quarterly reports for Water Infrastructure Finance and Innovation Act (WIFIA) loan compliance.
- RHAA (Consultant) completed the final design for the WWTP interpretive signs.
- Relocation of PG&E utilities from Detroit Drive was completed.
- Continued revisions to the WWTP Final Parcel Map to comply with right of way dedications.

GMP-1 (Site Preparation, Electrical and Storm Drain System Improvements for GMP3)

- Continued project closeout.

GMP-2 (Foundations for GMP3)

- Continued project closeout

GMP-3 (Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion)

- Completion of the installation of the Membrane Permeate (MP) line and the Secondary Effluent line (SE) in the East Corridor.

- Completion of formwork, rebar installations and concrete pours for the walls and decks in all of the process areas including Area 51 (headworks); Area 52 (Primary clarifies; Area 54 (Bio-Actiflo); Area 55 (BNR); Area 56 MBR; Area 64 (Odor Control); and Area 70 (Chemical Storage Area).
- Completion of the Administration Building including exterior framing, installation of roof, window and interior walls, utilities, exterior siding and installation of interior improvements.
- Continued the installation of electrical and mechanical equipment in Areas 51, 52, 53, 55, 56, 64, and 70.
- Continued the installation of the canopy and tanks in Area 70
- Continued the installation of exterior and interior improvements for the new Warehouse.
- Completed the improvements to the Sodium Hypochlorite System.
- Continued the installation of improvements to the Sodium Bisulfate System
- Continued the improvements to the Chlorine Contact Basins.
- Completed the leak testing and protective coating for all the Area 51 basins and channels.
- Installed the primary screens, grit chambers, and grit wash equipment in Area 51
- Began leak testing of the basins in Areas 52, 53, 55 and 56.
- Completed the installation of the fire protective loop in Detroit Drive.

#### Immediate Action Project Package 2 – Improvements to the solids processes

- Completed modifications to the new hopper.
- Worked with the contractor to implement recommendations to resolve the cake pump and hopper sensor issues.
- Immediate Action Project Package 3 – Improvements to the effluent pump station, site waste pump station, and sludge heating and recirculation pumping. Awarded the Construction Contract to Mountain Cascade in May 2023 (first 6 months of contract is procurement).
- Procured Townsend Management to provide Construction Management services.

#### Annual Major Components -

- Natural Gas Pipeline Replacement (6 & 23) (replace existing 3-inch gas line) - Completed the project in November 2022.
- Digester Transfer Pump Improvements: Construction award November 2023
- 3 Water Pumping and Ferric to Combined Sludge Improvements: 60% design submittal provided by Carollo.
- Other AMC Packages: Biosolids and Energy Management Plan; DAFT Corrosion Improvements; Digester 1 Improvements; Centrifuge and Centrifuge Feed Pump Replacement; Solids Handling Systems I&C Improvements

In 2024 (Year 10), the CWP will continue to focus on full project delivery and execution of major improvement projects. Key Year 10 program activities include the following:

- Program administration, program controls, economic management, document management, oversight of 3rd party construction management teams, environmental permitting support, and public outreach.
- Continue closeouts of WWTP Upgrade and Expansion Project (GMP 1 and GMP 2).
- Project management, construction management, and inspection for the following projects:
  - WWTP Upgrade and Expansion Project (GMP 3)
    - Immediate Action Project 2
    - Immediate Action Project 3
    - WWTP Annual Major Components Projects
- Continue project management for the Construction Manager at Risk (CMAR) (Sundt).
- Complete construction of the Administration Building and Warehouse
- Record WWTP final parcel map with the County
- Plant start-up
  - Complete the training of the WWTP staff on the new processes.
  - Complete the clean water loop testing and start-up of the new processes.
  - Seed the new processes of the WWTP.
- Begin construction of the on-site improvements including, landscaping, pavement and security fencing.
- Begin conversions of the existing Aeration basins to Flow Equalization Basins.

Start-up and commissioning of new treatment facilities is targeted to be complete by September 2024, followed by commissioning of the integrated WWTP in October 2024, and the retrofit of existing facilities (EQ Basin) October 2024 through March 2025.

Erler & Kalinowski, Inc. is providing technical support services for EMID. EMID Specific expenses, (such as EKI, and legal support) are included in the 10-year funding model and are being funded through the enterprise fund and not bond proceeds.

**Estimated Project Schedule:**

Design: Complete  
 Construction: Ongoing through FY 2024-2025

<b>Funding Sources</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Total</b>
Fund 455 - CIP - Wastewater	\$8,225,263	\$1,877,312	\$0	\$0	\$0	\$10,102,575
<b>Total Funding Sources</b>	<b>\$8,225,263</b>	<b>\$1,877,312</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,102,575</b>

<b>Expenditures Categories</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>Contingency</b>	<b>Total</b>
Estimated Project Costs	\$8,225,263	\$1,877,312	\$0	\$0	\$0		
Inflation %	0 %	— %	6 %	9 %	12 %	— %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$8,225,263</b>	<b>\$1,877,312</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,102,575</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WW-02 (CIP 455-705)

## EMERGENCY GENERATOR REPLACEMENTS (2021-2022)

**Project Category:** A

**Project Description:**

The project addresses the replacement of certain emergency generators and automatic transfer switches that are located at 10 of the District’s wastewater lift stations and are at the end of their useful life. Emergency generators power lift stations when power from PG&E is interrupted or shut down. The automatic transfer switch senses when PG&E power is interrupted and causes the emergency generator to turn on.

The 48 lift stations, as parts of the EMID sanitary sewer collection system, pump and convey sewage to receiving manholes at higher elevations. Emergency generators are located at EMID’s 14 major lift stations. Without emergency generators, in the event of a power outage, lift stations could fill with sewage and possibly overflow.

This project addresses replacing the emergency generator and automatic transfer switch (ATS) at Lift Stations 10, 12, 14, 15, 16, 29, 43 and 59 and the emergency generator only at Lift Stations 22 and 26. \$885,000 in funding has been appropriated from the equipment replacement fund for this project.

In August 2022, the District Board approved a professional services agreement with Freyer & Laretta, Inc. (F&L), for the design of three critical and complex generator replacements at LS 22, 29, and 59. A basis of design report was prepared to evaluate generator sizing, pad sizing, and siting for the generators at these three lift stations, of which LS 29 requires additional work including relocation of the generator system from inside the Bank of America Building to within an easement on the property along Edgewater Blvd and permanent removal of underground fuel tank.. As part of the analysis, it was determined that the estimated lead time for the new generator systems and accompanying ATs will be 42 to 60 weeks. To minimize project delays, a pre-purchase package for the generators was released for bid in March 2024 with an intended purchase agreement to be executed in April 2024. While the systems are on order, F&L will continue to complete the preparation of the construction documents. An amendment to the existing contract with F&L will be brought forward to the City Council to include the remaining 7 generators into the design documents with the intent to bid all ten generators together in the Winter 2025.

**Estimated Project Schedule:**

Design: FY 2023-2024 to FY 2024-2025

Construction: FY 2025-2026

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 455 - CIP - Wastewater	\$1,900,000	\$2,000,000	\$0	\$0	\$0	\$3,900,000
<b>Total Funding Sources</b>	<b>\$1,900,000</b>	<b>\$2,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,900,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$1,652,200	\$1,688,500	\$0	\$0	\$0		
Inflation %	— %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$50,600	\$0	\$0	\$0		
<b>Total</b>	<b>\$1,652,200</b>	<b>\$1,739,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$508,700</b>	<b>\$3,900,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WW-03 (CIP 455-710)

## SHELL BRIDGE SANITARY SEWER FORCE MAIN REHABILITATION (2022-2023)

**Project Category:** A

**Project Description:**

This project will address the rehabilitation or replacement of the 16” cast iron force main attached to the Shell Bridge. In February 2021, repairs were completed on a 12-inch diameter hole located on the top side of the pipe, that was identified during a routine maintenance inspection. At the same time the air release valve located on the force main at the high point on the bridge was also replaced.

The force main was originally constructed in the 1960s. The force main is a critical facility which delivers over 500,000 gallons of sewage (approximately one fifth of the wastewater generated in the District) daily to the San Mateo Wastewater Treatment Plant. The localized failure of the pipe and air release valve is due to the corrosive environment of wastewater and repeated exposure to hydrogen sulfide gas. Other portions of this main may have similarly deteriorated and be vulnerable to failure.

The City has retained BKF Engineers to perform a preliminary assessment of the pipeline. . In May 2023, thickness testing along the pipe span was performed, to evaluate its current condition and determine the feasibility of lining it to extend its service life. A draft TM has been prepared documenting the field investigation findings. A basis of design report will be prepared to evaluate rehabilitation and/or replacement alternatives, followed by design of the recommended repair option.

**Estimated Project Schedule:**

Pipeline Investigation: 2023-2024  
 Preliminary Design/Design: 2024-2025  
 Construction: 2024-2025

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 455 - CIP - Wastewater	\$500,000	\$0	\$0	\$0	\$0	\$500,000
<b>Total Funding Sources</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$434,800	\$0	\$0	\$0	\$0		
Inflation %	— %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$434,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$65,200</b>	<b>\$500,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WW-04 (CIP 455-719)

## SANITARY SEWER LIFT STATION IMPROVEMENTS - PHASE 6 (2023-2024)

**Project Category:** A

**Project Description:**

This project is part of a multi-phase program started in 2000 to rehabilitate EMID's sanitary sewer lift stations. The lift station improvement projects take place every four to five years.

Lift stations pump wastewater from the low points in the collection system to manholes at higher elevations. The lift station improvement projects include preventative maintenance and upgrades to improve the reliability, durability, and sustainability of the lift stations. Phase 6 projects address deficiencies at Lift Stations 6, 9, 11, 13, 22, 29, 42 and 43. Lift station improvements generally include repairing the interior wet wells; replacing critical components, and electrical improvements including installation of additional systems to remotely monitor and control the lift stations. Design is anticipated to begin in FY25-26 to allow staff to address other priority projects first.

**Estimated Project Schedule:**

Design: FY 2025-2026

Construction: FY 2026-2027

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 455 - CIP - Wastewater	\$0	\$7,900,000	\$1,000,000	\$0	\$0	\$8,900,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$7,900,000</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,900,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$6,669,600	\$820,400	\$0	\$0		
Inflation %	— %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$200,000	\$49,200	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$6,869,600</b>	<b>\$869,600</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,160,800</b>	<b>\$8,900,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WW-05 (NEW CIP)

## SANITARY SEWER MANHOLE REPLACEMENTS (2025-2026)

**Project Category:** A

**Project Description:**

The project is a continuation of the District's on-going program to repair and replace elements of the sanitary sewer collection system to extend the useful life of the system. The project is comprised of replacing 16 manholes identified in the Wastewater Collection System Master Plan and by staff as a part of routine maintenance.

Replacement of manholes is typically required due to: (1) the settlement of manholes which adversely affects the connecting pipes and sewage flows; (2) the deterioration of the manhole due to the corrosive gas produced by sewage; and/or (3) the scouring of receiving manholes at the end of a force main, due to the velocity of wastewater pumped from the lift station via the force main pipeline.

These manholes operate as force main collectors, receiving wastewater flow from various lift stations. During the condition assessment performed as part of the Wastewater Master Plan, Manholes 29-07, 18-01, 16-17, 14-02, 22-18, 22-19, 37-11, 29-31, 10-01, and 12-02 were witnessed to operate under turbulent conditions during force main discharge cycles. Additionally, staff has identified six (6) manholes located on trunk lines on East Hillsdale Boulevard, a major boulevard, and within busy intersections, adding complexity to their inspection and replacement: 29-08, 29-09, 29-10, 29-11, 29-12, and 29-13. Replacement of these manholes and the intercepting piping will enhance station reliability and public safety.

**Estimated Project Schedule:**

Design: FY 2025-2026

Construction: FY 2026-2027

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 455 - CIP - Wastewater	\$0	\$500,000	\$2,000,000	\$0	\$0	\$2,500,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$2,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,500,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$422,200	\$1,640,700	\$0	\$0		
Inflation %	— %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$12,600	\$98,400	\$0	\$0		
<b>Total</b>	<b>\$0</b>	<b>\$434,800</b>	<b>\$1,739,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$326,100</b>	<b>\$2,500,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WW-06 (NEW CIP)

## OVERFLOW, REDUNDANCY, BYPASSING AND BACKUP POWER STUDY (2026-2027)

**Project Category:** B

**Project Description:**

Most EMID lift stations were constructed between the mid-1960s and the mid-1970s. The criticality of each existing lift station varies depending upon its relative position within the network, the expected flow rate of influent sewage, and the station’s existing structural and mechanical capacities. Various lift stations throughout the City are equipped with gravity overflow facilities or emergency generators to establish collection system redundancy and to prevent sanitary sewer overflows.

This project will provide for a complete system analysis to determine areas within the District’s collection system that are currently unprotected or minimally protected by existing overflow, redundancy, bypassing, and backup power features as identified in the Wastewater Collection System Master Plan completed in 2020. This analysis will take into consideration existing gravity overflow piping systems; permanent and portable emergency generators and connections and whether generator fuel capacity meets the minimum 12-hour run time requirement; and bypassing connections to identify collection system vulnerabilities in the event of a power outage and under wet-weather conditions.

This analysis will drive the prioritization of further redundancy measures and develop a cost/benefit analysis of those improvements. A placeholder for construction has been included. Based on the analysis, a construction budget will be refined and any additional funding required for construction will be brought back to the District Board.

**Estimated Project Schedule:**

Study: FY 2027-2028

Design/Construction: TBD

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 455 - CIP - Wastewater	\$0	\$0	\$0	\$100,000	\$1,000,000	\$1,100,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$1,000,000</b>	<b>\$1,100,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$79,900	\$776,500		
Inflation %	— %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$7,100	\$93,100		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$87,000</b>	<b>\$869,600</b>	<b>\$143,400</b>	<b>\$1,100,000</b>

# CIP PROJECT DESCRIPTION FOR FIVE-YEAR FINANCIAL PLAN

WW-07 (NEW CIP)

## SANITARY SEWER LIFT STATIONS IMPROVEMENTS - PHASE 7 (2028-2029)

**Project Category:** A

**Project Description:**

The project is part of a multi-phase program started in 2000 to rehabilitate EMID's sanitary sewer lift stations. The lift station improvement projects take place every four to five years.

The projects include preventative maintenance and upgrades to improve the reliability, durability, and sustainability of the lift stations. Lift stations in the District pump wastewater from the low points in the collection system to manholes at higher elevations.

The Phase 7 project addresses deficiencies at Lift Stations 36, 37, 38, and 39. The replacement of these lift stations will effectively remove the low capacity, capsule style, Gorman-Rupp dry deck lift stations which are mechanically unique and difficult to maintain for District maintenance staff. Removal of these outdated fiberglass dry deck stations will complete the conversion of all District lift stations to rail extraction, submersible pump style lift stations. Finalization of this conversion will establish uniformity across the District and ease the maintenance complexity for District staff. The project is expected to be a comprehensive replacement of all lift station features except the precast wet well, which will be equipped with a new traffic rated access hatch and concrete top.

**Estimated Project Schedule:**

Design: FY 2028-2029

Construction: FY 2029-2030

Funding Sources	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Fund 455 - CIP - Wastewater	\$0	\$0	\$0	\$0	\$3,200,000	\$3,200,000
<b>Total Funding Sources</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,200,000</b>	<b>\$3,200,000</b>

Expenditures Categories	2024-25	2025-26	2026-27	2027-28	2028-29	Contingency	Total
Estimated Project Costs	\$0	\$0	\$0	\$0	\$2,484,500		
Inflation %	— %	3 %	6 %	9 %	12 %	15.00 %	
Inflation Escalation	\$0	\$0	\$0	\$0	\$298,100		
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,782,600</b>	<b>\$417,400</b>	<b>\$3,200,000</b>