



## **CITY COUNCIL REPORT**

**9F**

**DATE: FEBRUARY 21, 2023**

**TO: MAYOR AND COUNCIL MEMBERS**

**FROM: SANJAY MISHRA, PUBLIC WORKS DIRECTOR  
MISHA KAUR, CAPITAL IMPROVEMENT AND ENVIRONMENTAL  
PROGRAM MANAGER**

**SUBJECT: FISCAL YEAR (FY) 2022/23 SECOND QUARTER REPORT ON  
IMPLEMENTATION OF CAPITAL IMPROVEMENT PLAN (CIP)  
PROJECTS**

---

### **RECOMMENDATION**

Staff recommends that the City Council receive the Fiscal Year (FY) 2022/23 Second Quarter Report on implementation of Capital Improvement Plan (CIP) projects.

### **BACKGROUND**

The CIP is a multi-year plan/forecast of the City's capital improvement projects. The first year of the CIP is the proposed capital project plan and capital budget for that fiscal year.

The City creates an updated CIP each year based on the condition of the City's current capital assets, the desire for new capital assets, and available funding. Projects in the CIP address the City's major types of capital assets: facilities, parks, sanitary sewer collection and treatment infrastructure, stormwater infrastructure, and roads. The City owns considerable capital assets in other classes as well, including streetlights, traffic control devices, sidewalks, street trees, trash capture devices, waste bins and enclosures, traffic/wayfinding signage, benches, bike racks, monument signs, fleet, and fiber optic conduit.

The CIP serves as a tool for staff to plan, implement, and manage improvements and ongoing upgrades to the City's infrastructure. The Administration and Engineering Division in the Public Works Department is responsible for identifying and completing City capital projects.

### **REVIEW & ANALYSIS**

The City's adopted CIP (Attachment A) contains construction projects and infrastructure assessments. The infrastructure assessments included in the CIP will aid the City in identifying and prioritizing construction projects and will identify funding opportunities for future projects.

Attachment B is a summary of the CIP project lifecycle and a status of each project programmed for FY 2022/23 in the CIP as of the end of the second quarter of FY 2022/23.

### **Second Quarter CIP Highlights**

- **Electric Vehicle Charging Stations (FA2002)**  
On November 15, 2022, City Council awarded a contract to Lord's Electric for the installation of a dual port level II charging station at the parking lot serving the Public Safety Building. All electric vehicle charging stations which are funded by grants from the California Public Utilities Commission (CPUC) or the California Energy Commission (CEC) must be installed by a licensed contractor. At least one electrician on each installation must hold an Electric Vehicle Infrastructure Training Program (EVITP) certification. The training and certification program addresses technical requirements, safety imperatives, and performance integrity of EV infrastructure. The City anticipates receiving grant funds from Marin Clean Energy and West Contra Costa Transportation Authority to offset some costs of the project. As a result, the Contractor was required to complete the EVITP certification after contract award. The Contractor began the EVITP certification process and provided executed contract documents, proof of insurance, and bonds. Due to supply chain issues, there is a twelve-week lead time on the charging equipment. The anticipated completion date of the project is June 30, 2023.
- **Replacement of Diesel Tank (SS2202)**  
A 4,000-gallon above ground diesel tank which supplies fuel to a standby generator at the Water Pollution Control Plant and City fleet was replaced in November 2022. This project is complete.
- **San Pablo Ave Bridge over BNSF Railroad (RO1710)**  
A draft Structure Type Selection Memo and Report was prepared by Quincy Engineering, Inc. (Consultant) and submitted to the California Department of Transportation (Caltrans) for review. The Structure Type Selection report details the process followed by the Consultant and the City of Pinole in selecting and further developing bridge alternatives for the replacement of the San Pablo Avenue bridge. The Structure Type Selection process consists of evaluating and selecting the structure type, performing a constructability review, and conducting a Structure Type Selection meeting with the project team and Caltrans to obtain approval of the structure type. Staff expects to receive Caltrans approval of the structure type by May 9, 2023.
- **Active Transportation Plan (IN2106)**  
Staff prepared a request for proposals (RFP) for the development of an Active Transportation Plan. The RFP was released on [www.publicpurchase.com](http://www.publicpurchase.com) and the [www.ci.pinoles.ca.us/bids](http://www.ci.pinoles.ca.us/bids) on November 15, 2022. Responses were due on December 15, 2022. Staff received five (5) proposals and began the evaluation process. The project award will be presented to Council for consideration at an upcoming Council meeting.

- **Safety Improvements at Appian Way & Marlesta Rd. (RO1714)**  
On October 10, 2022, City Council awarded a construction contract to the lowest responsive and responsible bidder, Gruendl Inc. DBA Ray's Electric for the installation of a traffic signal at the Appian Way and Marlesta Road intersection. The project will also install high-visibility crosswalk striping on all legs of the intersection, green bicycle lane treatment on Appian Way within Project limits, and a slurry seal of the intersection. After contract execution, the Contractor provided proof of insurance and bonds. On November 1, 2022, staff issued a Notice to Proceed. However, the project could not begin as expeditiously as planned due to weather delays. In addition, there is a six-month delay in procurement of electrical parts and traffic poles. The anticipated project completion date is September 30, 2023.
- **Sanitary Sewer Rehabilitation (SS2201)**  
On October 4, 2022, City staff released an RFP on [www.publicpurchase.com](http://www.publicpurchase.com) and also posted contract documents on [www.ci.pinole.ca.us/bids](http://www.ci.pinole.ca.us/bids) for preliminary engineering design services for phase 1 of the Pinon project described in the City's recently adopted Sanitary Sewer Master Plan. Responses were due on October 26, 2022. A total of 7 responses were received and provided to the review panel for evaluation and scoring. Interviews were conducted between December 6-7, 2022, with the top 3 respondents. Staff received scoring evaluations from the review panel and initiated contract negotiations with the highest ranked firm, West Valley Construction Company, Inc.
- **Installation of high-capacity trash bins (PA2101)**  
A high-capacity trash bin can hold five to ten times the capacity of a traditional trash bin. There are several concerns related to high-capacity trash bins ranging from the cost, proprietary accessories, software, and manual labor required to lift and remove heavy trash bags. As a result, staff recommends a six month – one year pilot project to install two high-capacity trash bins and monitor their success. Staff obtained quotes from various vendors for the procurement and installation of two high-capacity trash bins.
- **Traffic Safety Improvements on the Tennent Avenue Corridor**  
On November 1, 2022, City Council received a presentation on traffic safety issues on the Tennent Avenue Corridor and directed staff to move forward with the safety recommendations identified in the presentation for two intersections: Tennent Avenue and Pear Street intersection and Tennent Avenue and Plum Street. The appropriation of funding was not on the agenda. City Council also directed staff to return with a quarterly report and potential modifications to the CIP to implement the recommendations.

Staff has developed cost estimates to implement the recommendations identified in the presentation. In addition, due to budgetary constraints, staff also developed several interim solutions. The various recommendations and associated cost

estimates are further discussed in the Second Quarter Financial Report (Mid-Year Budget Review).

### **FISCAL IMPACT**

Projects have budgeted sources of funds which have been previously approved by City Council. There is no fiscal impact associated with this status update and deferring master plans to future fiscal years.

### **ATTACHMENT(S)**

- A. Adopted Capital Improvement Plan for FY 2022/23 through FY 2026/27
- B. CIP Project Lifecycle and Project Status Summary





**CITY OF PINOLE  
CAPITAL IMPROVEMENT PLAN  
FY 2022/23 – 2026/27**



**Adopted: June 21, 2022**





# CAPITAL IMPROVEMENT PLAN FY 2022/23 – 2026/27

## CITY COUNCIL

Vincent Salimi, Mayor

Devin T. Murphy, Mayor Pro Tem

Anthony L. Tave, Council Member

Maureen Toms, Council Member

Norma Martínez-Rubin, Council Member

## CITY MANAGER

Andrew Murray

## PUBLIC WORKS DIRECTOR

Sanjay Mishra

## CAPITAL IMPROVEMENT & ENVIRONMENTAL PROGRAM MANAGER

Misha Kaur



**CAPITAL IMPROVEMENT PLAN: FY 2022/23 THROUGH FY 2026/27**  
**TABLE OF CONTENTS**

<b>Introduction .....</b>	<b>1</b>
<b>Next Steps in Capital Planning .....</b>	<b>2</b>
<b>Project Funding .....</b>	<b>2</b>
<b>Funding Sources .....</b>	<b>3</b>
<b>Grants .....</b>	<b>4</b>
<b>Overview of Recommended Capital Budget .....</b>	<b>5</b>
<b>Funding Summary .....</b>	<b>6</b>
Project Description Sheets – Facilities .....	9-17
Project Description Sheets – Parks .....	18-22
Project Description Sheets – Sanitary Sewer .....	23-29
Project Description Sheets – Stormwater .....	30-32
Project Description Sheets – Roads .....	33-44
Project Description Sheets – Infrastructure Assessments .....	45-53
<b>Unfunded and Unprogrammed Project List .....</b>	<b>55</b>
Project Description Sheets .....	56-67

## Introduction

The Capital Improvement Plan (CIP) is a multi-year planning tool used to identify and implement the City's capital needs over the upcoming five-year period. The CIP aligns the needs with appropriate funding, scheduling, and implementation. This document is a working blueprint for building and sustaining publicly funded physical infrastructure. Capital improvements refer to physical assets and include the design, purchase, construction, maintenance, or improvement of public resources (i.e. parks public infrastructure, equipment, public spaces). These improvements influence Pinole's built and natural environment and help guide the trajectory of future growth or change.

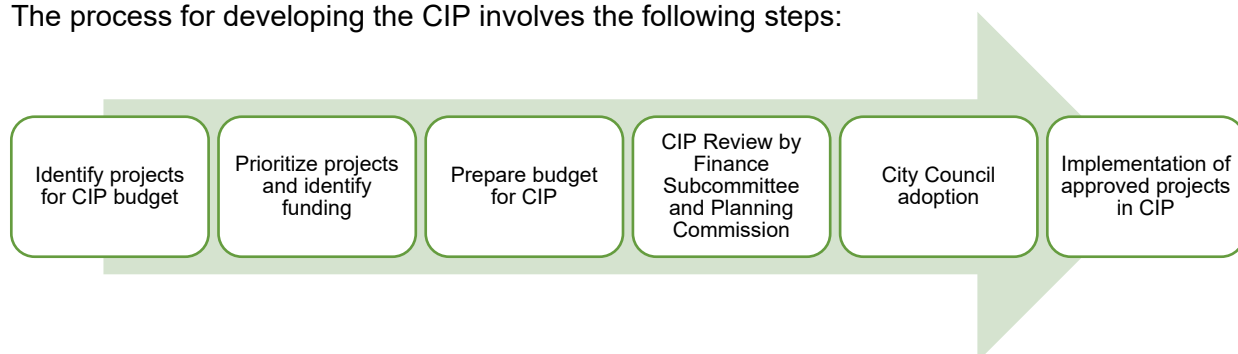
The projects in the CIP fall into the following broad categories: facility maintenance, parks, sewer collection and treatment, stormwater, streets and roads. These projects are developed in collaboration with department heads, and division managers under the direction of the City Manager to ensure all department needs are represented.

The CIP is reviewed and updated annually for capital projects and programs that support City goals and objectives including priorities identified in the 2020-2025 Strategic Plan of developing a disciplined approach to funding infrastructure maintenance and improvements. The City seeks to enhance its focus on the state of the infrastructure throughout the community by first inventorying all the assets, assessing their contributions to a safe and vibrant Pinole, assessing their current conditions, and creating a disciplined investment approach resulting in a strong and purpose driven Capital Investment Plan.

The preparation and adoption of the CIP is an important part of Pinole's financial planning and budgeting process. Proposed projects are reviewed by the Planning Commission for consistency with the General Plan. The Finance Subcommittee also reviews and analyzes all aspects of the CIP and makes recommendations. Project priority and selection is based on specific criteria, such as:

- Consistency with community plans and policies;
- Regulatory compliance;
- Public and political support;
- Sustainability;
- Cost savings or revenue generation;
- Project demand, determined by inventory of existing land, equipment, and facility conditions;
- Economic, environmental, aesthetic or social impacts; and
- Public health, safety or other legal concerns.

The process for developing the CIP involves the following steps:





## **Next Steps in City Capital Planning**

The City will complete condition assessment of all the City's capital assets and identify the funding levels required to maintain these assets. The City will continue to integrate capital planning information into the Long-Term Financial Plan, so City decision makers are aware of the City's capital needs when they consider allocation of the City's limited financial resources and consider possibly pursuing additional sources of City revenue.

## **Project Funding**

A variety of funding sources support projects listed in the CIP. The first year's program in the CIP is adopted by the City Council as the Capital Budget, as a counterpart to the annual Operating Budget. The fiscal resources are appropriated only in the first year, the subsequent four years of the CIP are important for long term planning and subject to further review and modification.

The CIP is funded primarily with funds restricted for specific purposes. The next page describes various funding sources and their restrictions. Some projects are entirely or partially funded by grants and reimbursements from state and federal government and other agencies.

## Funding Sources

Fund #	Fund Name (restriction)	Description
100	General Fund (unrestricted)	The General Fund is the main operating fund for the City. It accounts for sources and uses of resources that (primarily) are discretionary to the City Council in the provision of activities, programs and services deemed necessary and desirable by the community.
106	Measure S 2014 (unrestricted)	Accounts for 2014 voter-approved half-cent Local Use Tax which levies 0.5% each on all merchandise. Although these are unrestricted General Fund revenues, the 2014 Use Taxes have been allocated by the City Council to fund Infrastructure Projects as their highest funding priority.
200	Gas Tax - RMRA (roads and right-of-way)	Accounts for the Highway Users Tax (HUTA) State imposed excise taxes on gasoline and diesel fuel sales within the City limits. Gas Tax funds are restricted for use in the construction, improvement and maintenance of public streets. The taxes are allocated to Pinole through the Road Maintenance and Rehabilitation Account (RMRA) established by the Road Repair and Accountability Act of 2017.
214	Solid Waste	Accounts for special revenue received from Republic Services from a surcharge assessed on customer rates for solid waste services. These funds are set aside for future solid waste capital and for a rate stabilization fund.
215	Measure J (roads only)	Accounts for special sales tax revenues collected by Contra Costa Transportation Authority (CCTA) and reapportioned to cities for local street projects. This fund also accounts for return to source funds and grant funds.
276	Growth Impact Fees (nexus identified needs)	Accounts for development fees collected to mitigate the impact of new development. Provides funds for nexus identified needs only.
325	City Street Improvements (roads only)	Accounts for funds set aside by the City of Pinole to fund street improvement projects. The Measure S 2014 funding plan allocates \$250k annually to this fund.
327	Park Grants (parks only)	Accounts for grants and reimbursements from the state and federal government and other agencies related to parks.
377	Arterial Street Rehabilitation (roads only)	Accounts for funds set aside by the City of Pinole to fund arterial street rehabilitation projects. The Measure S 2014 funding plan allocates \$250k annually to this fund.
500	Sewer Enterprise (sewer only)	Accounts for fees charged to residents and businesses for sewer utilities. Fees are used to operate the Pinole-Hercules Water Pollution Control Plant which services the Pinole and Hercules areas.

## Grants

Certain projects are eligible to receive grant funds from state, federal, or other agencies. Road projects listed in the CIP receive grant funding from a variety of sources such as:

- California Department of Transportation (Caltrans)
  - Highway Bridge Program (HBP) – funds to improve bridge structural safety.
    - Project: RO1710
  - Highway Safety Improvement Program (HSIP) – funds projects that significantly reduce fatalities and injuries on all public roads.
    - Project: IN2104
- West Contra Costa Transportation Advisory Committee (WCCTAC)
  - Subregional Transportation Mitigation Program (STMP) – funds projects that provide congestion relief and mitigate traffic impacts on regional routes through capacity improvements on those routes, improved transit services for subregional and regional travel, and improved facilities that allow West County residents to more efficiently access regional routes and transit service.
    - Projects: RO2105, RO1902, and RO1710
- Metropolitan Transportation Commission (MTC)
  - One Bay Area Grant 2 (OBAG2) – policy framework for MTC’s distribution of federal State Transportation Program and Congestion Mitigation and Air Quality Improvement Program funds. The OBAG2 program provides funding for local street and road maintenance, streetscape enhancements, bicycle and pedestrian improvements, Safe Route to School projects, Priority Conservation Areas, and Transportation planning.
    - Project: RO1714
  - Transportation Development Act (TDA) Article 3 – funds construction and/or engineering of bicycle or pedestrian capital or quick build projects, maintenance of Class I or Class IV separated bikeways, bicycle and/or pedestrian safety education projects, development of a comprehensive bicycle or pedestrian facilities plans, and restriping Class II bicycle lanes and buffered bicycle lanes.
    - Project: RO1714

The receipt of certain grants and reimbursements typically follow the award of contracts; therefore, other City funding is programmed for front-end financing of the total estimated project costs.

## Overview of Recommended Capital Budget

The FY 2022/23 – 2026/27 CIP contains 36 planned public improvement projects, which includes 10 new projects. In addition, there are 9 infrastructure assessments programmed for FY 2022/23 – 2026/27. The CIP also contains information for 24 unfunded and unprogrammed projects. A funded project is one that has identified specific funding, including on-going existing resources to fully implement the project. A partially funded project has funding to accomplish various phases of the project but lacks sufficient funding to complete the project. An unfunded project is one that has been identified in the CIP as a need but no funding secured to implement the project. Should funding become available through grant or other sources, the unfunded list can be reviewed to determine if it is suitable to seek such funding.

CIP projects fall into the following categories: Facilities, Parks, Sanitary Sewer, Stormwater, Streets & Roads, and Infrastructure Assessments. The nomenclature for the project number is derived as follows:

Project numbers begin with the abbreviation of the project category, followed by the year the project was first programmed, and then a unique sequence number. For example, FA2001 refers to a facilities project which was first programmed in 2020 with a unique sequence number of 01. Unfunded projects begin with UF and are followed by a unique sequence number.

Category	Abbreviation
Facilities	FA
Parks	PA
Sewer	SS
Stormwater	SW
Streets & Roads	RO
Infrastructure Assessments	IA
Unfunded	UF

In FY2022/23, there are 23 public improvement projects and 8 infrastructure assessments programmed. Below is a summary of the various funding sources based on project category.

FY 2022/23		PROJECT CATEGORIES						FY 2022/23 TOTALS BY FUND
Funding Sources	Fund	Facilities	Parks	Sanitary Sewer	Storm-water	Streets & Roads	Infrastructure Assessments	
		FA	PA	SS	SW	RO	IA	
General Fund	100					\$170,000	\$165,000	\$335,000
Measure S 2014	106	\$834,931	\$112,440		\$418,460	\$149,328	\$210,000	\$1,725,159
Gas Tax	200					\$528,910		\$528,910
Solid Waste	214		\$425,000					\$425,000
Measure J	215					\$350,000		\$350,000
Growth Impact Fees	276				\$58,000			\$58,000
City Street Improvements	325					\$1,685,563	\$20,650	\$1,706,213
Park Grants	327		\$189,758					\$189,758
Arterial Street Rehabilitation	377					\$758,624		\$758,624
Sewer Enterprise	500			\$2,300,00		\$10,382	\$89,853	\$2,400,235
<b>FY 2022/23 TOTALS BY PROJECT CATEGORY</b>		\$834,931	\$727,198	\$2,300,000	\$476,460	\$3,652,807	\$3,652,807	<b>\$8,476,899</b>



**CITY OF PINOLE**  
**CAPITAL IMPROVEMENT PLAN: FY 2022/23 THROUGH FY 2026/27**  
**FUNDING SUMMARY**

<b>SOURCES BY FUND</b>	<b>FY 2022-23</b>	<b>FY 2023-24</b>	<b>FY 2024-25</b>	<b>FY 2025-26</b>	<b>FY 2026-27</b>	<b>5-Year Total</b>
<b>100 – General Fund</b>	\$ 435,000	\$ 310,000				\$ 745,000
<b>106 – Measure S 2014</b>	\$ 1,625,159	\$ 1,990,860	\$ 890,000	\$ 100,000		\$ 4,606,019
<b>200 – Gas Tax</b>	\$ 528,910		\$ 381,082			\$ 909,992
<b>200 – Solid Waste</b>	\$ 425,000					\$ 425,000
<b>215 – Measure J</b>	\$ 350,000					\$ 350,000
<b>276 – Growth Impact Fees</b>	\$ 58,000	\$ 30,000	\$ 520,000			\$ 608,000
<b>325 – City Street Improvements</b>	\$ 1,706,213	\$ 890,000	\$ 727,321	\$ 890,000		\$ 4,213,534
<b>327 – Park Grants</b>	\$ 189,758					\$ 189,758
<b>377 – Arterial Streets Rehabilitation</b>	\$ 758,624	\$ 32,250				\$ 790,874
<b>500 – Sewer Enterprise Fund</b>	\$ 2,400,235	\$ 2,000,000	\$ 906,597	\$ 800,000	\$ 3,800,000	\$ 9,906,832
<b>Sources Total</b>	<b>\$ 8,476,899</b>	<b>\$ 5,253,110</b>	<b>\$ 3,425,000</b>	<b>\$ 1,790,000</b>	<b>\$ 3,800,000</b>	<b>\$ 22,745,009</b>
<b>Unfunded Total</b>		<b>\$ 16,293,235</b>	<b>\$ 9,231,700</b>	<b>\$ 8,439,200</b>	<b>\$ 970,000</b>	<b>\$ 34,934,135</b>
<b>Total Sources Required</b>	<b>\$ 8,476,899</b>	<b>\$ 21,546,345</b>	<b>\$ 12,656,700</b>	<b>\$ 10,229,200</b>	<b>\$ 4,770,000</b>	<b>\$ 57,679,144</b>



CITY OF PINOLE  
CAPITAL IMPROVEMENT PLAN: FY 2022/23 THROUGH FY 2026/27  
FUNDING SUMMARY

SOURCES BY FUND	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	5-Year Total
100 - General Fund	\$ 435,000	\$ 310,000				\$ 745,000
106 - Measure S 2014	\$ 1,625,159	\$ 1,990,860	\$ 890,000	\$ 100,000		\$ 4,606,019
200 - Gas Tax	\$ 528,910		\$ 381,082			\$ 909,992
214 - Solid Waste	\$ 425,000					\$ 425,000
215 - Measure J	\$ 350,000					\$ 350,000
276 - Growth Impact Fees	\$ 58,000	\$ 30,000	\$ 520,000			\$ 608,000
325 - City Street Improvements	\$ 1,706,213	\$ 890,000	\$ 727,321	\$ 890,000		\$ 4,213,534
327 - Park Grants	\$ 189,758					\$ 189,758
377 - Arterial Streets Rehabilitation	\$ 758,624	\$ 32,250				\$ 790,874
500 - Sewer Enterprise Fund	\$ 2,400,235	\$ 2,000,000	\$ 906,597	\$ 800,000	\$ 3,800,000	\$ 9,906,832
Sources Total	\$ 8,476,899	\$ 5,253,110	\$ 3,425,000	\$ 1,790,000	\$ 3,800,000	\$ 22,745,009
Unfunded Total		\$ 16,293,235	\$ 9,231,700	\$ 8,439,200	\$ 970,000	\$ 34,934,135
Total Sources Required	\$ 8,476,899	\$ 21,546,345	\$ 12,656,700	\$ 10,229,200	\$ 4,770,000	\$ 57,679,144

FACILITIES									
PRJ #	USES BY PROJECT	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	Account #	FY 2022-23 Funds	Funding Source
FA2302	Plum St. Parking Lot Improvements		\$80,000						
FA2301	Public Safety Building Modernization		\$100,000	\$100,000	\$100,000				
FA2202	Senior Center Modernization	\$60,000	\$100,000	\$100,000			106-343-47201	\$60,000	Measure S 2014
FA2201	Faria House Renovations	\$420,000					106-343-47201	\$420,000	Measure S 2014
FA2002	Electric Vehicle Charging Stations	\$50,000					106-343-47201	\$50,000	Measure S 2014
FA1902	Energy Upgrades	\$120,811					106-343-47201	\$120,811	Measure S 2014
FA1901	Senior Center Auxiliary Parking Lot	\$184,120	\$1,088,860				106-343-47201	\$184,120	Measure S 2014
FA1703	City Hall Modernization		\$125,000	\$125,000					
FA1702	Citywide Roof repairs and replacement		\$272,000	\$140,000					
PARKS									
PRJ #	USES BY PROJECT	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	Account #	FY 2022-23 Funds	Funding Source
PA2203	Playground Rubberized Surface Improvements	\$237,198					106-343-47201	\$47,440	Measure S 2014
							327-345-47203	\$189,758	Park Grants
PA2202	Skatepark Rehabilitation			\$150,000					
PA2201	Pocket Parks - Galbreth Rd.	\$65,000					106-343-47201	\$65,000	Measure S 2014
PA2101	Installation of high-capacity trash bins	\$425,000					214-345-47203	\$425,000	Solid Waste Fund
PA1901	Pinole Valley Park Soccer Field Rehabilitation		\$200,000						
SANITARY SEWER									
PRJ #	USES BY PROJECT	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	Account #	FY 2022-23 Funds	Funding Source
SS2203	Effluent Outfall*	\$150,000				\$3,000,000	500-641-47201	\$150,000	Sewer Enterprise
SS2202	Replacement of Diesel Tank*	\$150,000					500-641-47201	\$150,000	Sewer Enterprise
SS2201	Sanitary Sewer Rehabilitation	\$1,500,000	\$800,000	\$800,000	\$800,000	\$800,000	500-642-47201	\$1,500,000	Sewer Enterprise
SS2101	Secondary Clarifier - Center Column Rehabilitation*	\$350,000					500-641-47201	\$350,000	Sewer Enterprise
SS2102	Air Release Valve Replacements*	\$50,000					500-641-47201	\$50,000	Sewer Enterprise
SS2002	Water Pollution Control Plant Lab Remodel*	\$100,000					500-641-47201	\$100,000	Sewer Enterprise
SS1702	Sewer Pump Station Rehabilitation		\$1,200,000						
STORMWATER									
PRJ #	USES BY PROJECT	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	Account #	FY 2022-23 Funds	Funding Source
SW2001	Roble Road Drainage Improvements		\$30,000	\$320,000					
SW2002	Adobe Road Repair and Drainage Improvements		\$30,000	\$200,000					
SW1901	Hazel Street Storm Drain Improvements	\$476,460					106-344-47206	\$418,460	Measure S 2014
							276-344-47206	\$58,000	Growth Impact Fees
STREETS & ROADS									
PRJ #	USES BY PROJECT	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	Account #	FY 2022-23 Funds	Funding Source
RO2501	Residential Slurry Seal				\$890,000				
RO2401	Cape Seal			\$560,000					
RO2301	Residential Slurry Seal		\$890,000						
RO2101	Arterial Rehabilitation	\$1,187,534	\$32,250				200-342-47205	\$428,910	Gas Tax - RMRA
							377-342-47205	\$758,624	Arterial Rehabilitation
RO2102	Tennent Ave. Rehabilitation	\$10,382		\$655,000			500-641-47201	\$10,382	Sewer Enterprise
RO2105	Appian Way Complete Streets	\$100,000				\$970,000	325-342-47205	\$100,000	WCCTAC - STMP Fees
RO2107	Brandt St. Improvements	\$170,000					100-342-47205	\$170,000	General Fund
RO1902	Pedestrian Improvements at Tennent Ave. near R X	\$61,556		\$800,000			325-342-47205	\$61,556	WCCTAC - STMP Fees
RO1802	Hazel Street Gap Closure (Sunnyview)			\$200,000					
RO1710	San Pablo Ave. Bridge over BNSF Railroad	\$1,385,463	\$16,293,235	\$8,431,700	\$8,439,200		325-342-47205	\$1,223,746	WCCTAC - STMP Fees
							325-342-47205	\$80,000	CCTA Measure J
							325-342-47205	\$81,717	Caltrans - HBP
RO1708	Pinole Valley Road Improvements	\$100,000					200-342-47205	\$100,000	Gas Tax - RMRA
							325-342-47205	\$9,144	City Street Improvements
RO1714	Safety Improvements at Appian Way & Marlesta Rd. formerly known as HAWK at Appian Way and Marlesta	\$637,872					215-342-47205	\$350,000	MTC/OBAG2
							325-342-47205	\$129,400	MTC/TDA Article 3
							106-344-47206	\$149,328	Measure S 2014
INFRASTRUCTURE ASSESSMENTS									
PRJ #	USES BY PROJECT	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	Account #	FY 2022-23 Funds	Funding Source
IN2201	Energy Audit	\$50,000					106-344-47206	\$50,000	Measure S 2014
IN2101	Emergency Power for Critical Facilities	\$30,000	\$170,000				100-343-47201	\$30,000	General Fund
IN2102	Municipal Broadband Feasibility	\$60,000					106-118-47201	\$60,000	Measure S 2014
IN2103	Recycled Water Feasibility	\$60,000	\$140,000				100-341-42101	\$60,000	General Fund
IN2104	Local Road Safety Plan	\$20,650					325-342-47205	\$20,650	Caltrans - HSIP
IN2106	Active Transportation Plan	\$75,000					100-341-42101	\$75,000	General Fund
IN2001	Sanitary Sewer Collection System Master Plan	\$89,853					500-642-47201	\$89,853	Sewer Enterprise
IN1703	Storm Drainage Master Plan		\$75,000	\$75,000					
IN1704	Park Master Plan	\$100,000					106-344-47206	\$100,000	Measure S 2014
Uses by Project Total		\$8,476,899	\$21,546,345	\$12,656,700	\$10,229,200	\$4,770,000			

LEGEND:  
• Project numbers: **FA** = Facilities; **PA** = Parks; **SS** = Sanitary Sewer; **SW** = Storm Water; **RO** = Streets & Roads; **IN** = Infrastructure Assessments  
\* Project cost to be split 50% with the City of Hercules

# **PROJECT DESCRIPTION SHEETS**

# FACILITIES

## FA2302 - Plum St. Parking Lot Improvements

**Initial Project Start:** July 1, 2023  
**Initial Project Completion:** June 30, 2024  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** No



**Description:** To provide a secure parking area for Police vehicles in the Plum St. parking lot. The parking lot will remain open for the public. A portion of the parking lot, approximately 25 spaces will be secured with a chain-link fence with security gates for Police vehicles. The layout of the parking lot is in the preliminary design phase.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
<b>Construction</b>	106			\$ 80,000			
	<b>Subtotal</b>			<b>\$ 80,000</b>			
	<b>Total Cost Estimate: \$ 80,000</b>						



# FACILITIES

## FA2301 - Public Safety Building Modernization

**Initial Project Start:** July 1, 2023  
**Initial Project Completion:** June 30, 2026  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** Yes



**Description:** To extend the useful life of the Public Safety building, there are several items that require attention including but not limited to replacement of the HVAC system, carpet, flooring, water heaters, light fixtures, fans, etc. In addition, the building requires painting (interior and exterior), and the locker rooms also require renovation.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
<b>Construction</b>	106			\$ 100,000	\$ 100,000	\$ 100,000	
	<b>Subtotal</b>			<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	
<b>Total Cost Estimate: \$ 300,000</b>							

# FACILITIES

## FA2202 - Senior Center Modernization

**Initial Project Start:** July 1, 2022  
**Initial Project Completion:** June 30, 2025  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Council Request  
**Multi-year Project:** Yes



**Description:** The project includes a facilities condition assessment and design and construction of improvements to modernize the existing Senior Center building located at 2525 Charles Avenue. Work will include upgrades to energy system, roof replacement, and interior renovations.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	106		\$ 60,000	\$ 100,000	\$ 100,000		
	Subtotal		\$ 60,000	\$ 100,000	\$ 100,000		
	<b>Total Cost Estimate: \$ 260,000</b>						

# FACILITIES

## FA2201 - Faria House Renovations

**Initial Project Start:** July 1, 2022  
**Initial Project Completion:** June 30, 2023  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Council Request  
**Multi-year Project:** No



**Description:** The building commonly referred to as the “Faria House” is a two-story residence constructed in about 1890 and originally located at what is now 1301 Pinole Valley Road. In 2005, the Faria House was relocated to 2100 San Pablo Avenue. On June 7, 2022, City Council directed staff pursue hazard remediation and renovations to create a lower-level office, and upper-level warm shell. The first step is the site remediation to removal all hazardous materials (i.e., asbestos and/or lead based paint) from the first and second floors. This will involve removal of all interior baseboard, door, window trim, lath and plaster (from the ceilings and walls). This will also include removal of all lighting and plumbing fixtures, kitchen “built-in-place” cabinets. Once the site remediation is complete, the lower level of the structure will be ready for tenant improvement for an office use. The upper level will be a warm shell, which means that the upper level will be fully insulated, with walls open and ceiling covered with wallboard, but no other improvements beyond the hazard mitigation work. The upper level would be separated from the lower level with secured “temporary” framing and wallboard partition wall built at the top of the stairs. The lower level will have rough electrical, plumbing, and mechanical installation for an office use. All lower-level rooms would have new wall and ceiling insulation installed and covered with new drywall. The kitchen would remain in the same location, the dining room, which would become the conference room/meeting room would include low-voltage, data, communications for teleconferencing, meetings, the existing bathroom would become a single All Gender restroom, renovated to meet ADA compliance, the existing rooms would become office suites with new electrical sub-panel, rough electrical, rough plumbing and rough mechanical installed. Lower-level rooms will have renewed (or new) flooring, baseboard, and doors etc.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
<b>Construction</b>	106		\$ 420,000				
	<b>Subtotal</b>		<b>\$ 420,000</b>				
<b>Total Cost Estimate:</b>			<b>\$ 420,000</b>				

## FACILITIES

### FA2002 - Electric Vehicle Charging Stations

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2021  
**Revised Project Start:**  
**Revised Project Completion:** December 30, 2022  
**Project Origin:** Council Request  
**Multi-year Project:** Yes



**Description:** This project will install a level II dual port electric vehicle charging station at the parking lot serving the Public Safety Building.

**Supplemental Information:** City staff continue to assess other public locations throughout Pinole for opportunities to incorporate EV charging infrastructure. An energy audit (Project IN2201) of City owned facilities will inform future installations of electric vehicle charging stations.

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Design	106	\$ 6,235					
Construction	106		\$ 50,000				
	<b>Subtotal</b>	<b>\$ 6,235</b>	<b>\$ 50,000</b>				
	<b>Total Cost Estimate: \$ 56,235</b>						



# FACILITIES

## FA1902 - Energy Upgrades

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2021  
**Revised Project Start:**  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** End of life cycle  
**Multi-year Project:** No



**Description:** The heating, ventilation, and cooling (HVAC) systems at City Hall and Senior Center have reached the end of their useful life and need to be replaced. A portion of the roof at the Senior Center will also need to be replaced.

**Supplemental Information:** In October 2020, City staff began working with Marin Clean Energy's (MCE's) Energy Efficiency program to explore opportunities for energy conservation and generation at City owned facilities by replacing the HVAC systems and upgrading streetlights. It was determined that the MCE program could not incentivize HVAC replacement project or the upgrade of the streetlights. This project was formerly known as FA1706 and FA1801. In April 2021, the AC unit at City Hall broke down and was replaced.

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	106	\$ 99,189	\$ 120,811				
	<b>Subtotal</b>	<b>\$ 99,189</b>	<b>\$ 120,811</b>				
	<b>Total Cost Estimate: \$ 220,000</b>						

## FACILITIES

### FA1901 - Senior Center Auxiliary Parking Lot

<b>Initial Project Start:</b>	July 1, 2020
<b>Initial Project Completion:</b>	June 30, 2021
<b>Revised Project Start:</b>	
<b>Revised Project Completion:</b>	June 30, 2024
<b>Project Origin:</b>	Fowler Lot Re-Use Committee
<b>Multi-year Project:</b>	Yes



**Description:** On April 16, 1990 City Council adopted Resolution 2380 authorizing the purchase of 2548 Charles Street. At the time of purchase, City Council determined that construction of a Senior Center was necessary, and that this property was needed to provide sufficient parking for the Center. The parcel is surrounded by municipal parking lots which serve the Senior Center and Old Town Pinole. On February 2, 2021 City Council adopted Resolution 2021-07 and awarded a contract to a consultant for the preliminary engineering and design for the parking lot. The parking lot will be designed to be a multi-benefit project that includes pavement structural section, striping, lighting, bicycle parking, electric vehicle charging stations, stormwater capture and retention, and drought tolerant landscaping. The final design will offer the maximum number of parking spaces while allowing access for both vehicles and pedestrians and include aesthetic design components. On June 7, 2022, City Council directed staff to incorporate the installation of a solar canopy at the site.

**Supplemental Information:** The Fowler House tenants remained in the property till 2010 and many discussions took place to determine the best use of the property. It was determined that the house had asbestos and lead paint. On July 17, 2018, City Council adopted Resolution 2018-67 to create the Fowler Lot Re-use Committee to evaluate the reuse and redevelopment of the property. The Committee evaluated uses for the lot and determined the best use of the property is a parking lot. On October 16, 2018, the City Council adopted Resolution No. 2018-93 to approve a contract with a construction company to abate and demolish the Fowler house. The property demolition was completed on March 11, 2019. On July 21, 2020, City Council adopted Resolution 2020-68 to accept the final recommendation of the Committee.

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
<b>Design</b>	106	\$ 42,535	\$ 184,120				
<b>Construction</b>	106			\$ 1,088,860			
	<b>Subtotal</b>	<b>\$ 42,535</b>	<b>\$ 184,120</b>	<b>\$ 1,088,860</b>			
	<b>Total Cost Estimate: \$1,315,515</b>						

# FACILITIES

## FA1703 - City Hall Modernization (formerly known as Paint City Hall)

**Initial Project Start:** July 1, 2021  
**Initial Project Completion:** June 30, 2022  
**Revised Project Start:** July 1, 2022  
**Revised Project Completion:** June 30, 2024  
**Project Origin:** End of life cycle  
**Multi-year Project:** No



**Description:** To extend the useful life of the City hall building, there are several items that require attention including but not limited to carpet, flooring, window coverings, light fixtures, etc. The interior and exterior surfaces of the building require repainting as the paint system has reached the end of its useful life. Exterior painting is necessary to maintain external protection from the environment. Fading, chipping paint, along with water and mildew damage necessitates the painting project.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	106			\$ 125,000	\$ 125,000		
	Subtotal			\$ 125,000	\$ 125,000		
	<b>Total Cost Estimate: \$ 250,000</b>						

# FACILITIES

## FA1702 - Citywide Roof repairs and replacement

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2022  
**Revised Project Start:** July 1, 2022  
**Revised Project Completion:** June 30, 2024  
**Project Origin:** End of life cycle  
**Multi-year Project:** Yes



**Description:** In 2015, comprehensive visual roof inspections were completed by a contractor on various City owned facilities. The purpose of the inspection was to identify the extent, if any, of moisture intrusion into the existing roof assemblies, document observed roof system deficiencies, determine the overall condition of the existing roof systems and to estimate the service life of the in-place roof assemblies. The roof inspection identified several roofs which need to be repaired or replaced. The roofs at City hall and the Public Safety building need to be replaced.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	106			\$ 272,000	\$ 140,000		
	Subtotal			\$ 272,000	\$ 140,000		
	<b>Total Cost Estimate: \$412,000</b>						

## PARKS

### PA2203 - Playground Rubberized Surface Improvements

**Initial Project Start:** July 1, 2022  
**Initial Project Completion:** June 30, 2024  
**Revised Project Start:**  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** Yes



**Description:** Replacement of panel rubberized surfaces at Fernandez Park and Pinole Valley Park. Fernandez Park involves replacement of rubberized surface improvements at tot lot and replacement of existing engineered mulch with rubberized surface at older age play equipment. The rubberized surfaces around the play equipment will also be replaced at Pinole Valley Park. These improvements are grant funded through the State of California Department of Parks and Recreation Per Capita funds.

#### Supplemental Information:

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	327		\$ 189,758				
	106	\$ 7,640	\$ 47,440				
	<b>Subtotal</b>	<b>\$ 7,640</b>	<b>\$ 237,198</b>				
	<b>Total Cost Estimate: \$ 244,838</b>						

## PARKS

### PA2202 - Skatepark Rehabilitation

**Initial Project Start:** July 1, 2024  
**Initial Project Completion:** June 30, 2025  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Council Request  
**Multi-year Project:** No  
**Description:** Settling of ramps  
**Supplemental Information:**



#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	106				\$ 150,000		
	Subtotal				\$ 150,000		
	<b>Total Cost Estimate: \$ 150,000</b>						



## PARKS

### PA2201 - Pocket Parks - Galbreth Rd.

**Initial Project Start:** July 1, 2022  
**Initial Project Completion:** June 30, 2023  
**Revised Project Start:**  
**Revised Project Completion:** June 30, 2024  
**Project Origin:** Council Request  
**Multi-year Project:** No



**Description:** Installation of two ADA compliant benches and waste receptacles within two pocket parks at a suitable location on Galbreth Ave.

**Supplemental Information:** To develop the pocket parks, a lot line adjustment may be required.

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	106		\$ 65,000				
	Subtotal		\$ 65,000				
	<b>Total Cost Estimate: \$ 65,000</b>						

## PARKS

### PA2101 - Installation of high capacity trash bins

**Initial Project Start:** July 1, 2021  
**Initial Project Completion:** June 30, 2022  
**Revised Project Start:**  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** Beautification Ad Hoc Committee  
**Multi-year Project:** No



**Description:** Installation of high capacity, solar powered compacting trash bins at City parks. To get the best value and uniformity at City parks, a RFP will be released to solicit proposals from qualified vendors to provide these bins. Exact costs will not be known until the bidding is complete however staff estimates that 40 bins will be procured for the budgeted project cost.

**Supplemental Information:** In 2019, the City Council established a Beautification Ad Hoc Committee to analyze options for, and to make recommendations to the Council regarding clean-up and beautification projects in Pinole. Among other projects, the Committee recommended the installation of high capacity, solar powered compacting trash bins at City parks.

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	214		\$ 425,000				
	Subtotal		\$ 425,000				
	<b>Total Cost Estimate: \$ 425,000</b>						

## PARKS

### PA1901 - Pinole Valley Park Soccer Field Rehabilitation

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2021  
**Revised Project Start:** July 1, 2023  
**Revised Project Completion:** June 30, 2024  
**Project Origin:** Council Request  
**Multi-year Project:** No



**Description:** There are two soccer fields at Pinole Valley Park which are utilized on an annual basis, the Wright Avenue Soccer Field at the southerly end, and Savage Avenue Soccer Field at the northern end. Both fields are heavily used by soccer leagues and the general public. The Savage Avenue Soccer Field requires substantial rehabilitation which includes: upgrading the irrigation system and ongoing turf maintenance. Turf maintenance includes mowing, fertilizing, aeration, overseeding, and topdressing.

**Supplemental Information:** This project has been delayed pending the development of a Park Master Plan (CIP Project# PA1704).

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	106			\$ 200,000			
	<b>Subtotal</b>			<b>\$ 200,000</b>			
	<b>Total Cost Estimate: \$ 200,000</b>						

## SANITARY SEWER

### SS2203 - Effluent Outfall

**Initial Project Start:** July 1, 2022  
**Initial Project Completion:** June 30, 2027  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Regulatory Requirement  
**Multi-year Project:** Yes



**Description:** Effluent pumping capacity of the treatment plant is limited by the capacity of the pipe size at the effluent outfall in Rodeo. Increasing the pipe size at the Effluent Outfall Eductor Station will increase the wet weather effluent pumping capacity and increase the lifespan of the effluent pipe by reducing the pressure in the line during storm events. Project requires coordination with Rodeo.

**Supplemental Information:** The City of Hercules will be reimburse the Sewer Enterprise fund for 50% of the total project cost.

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	500		\$ 150,000				\$ 3,000,000
	<b>Subtotal</b>		<b>\$ 150,000</b>				<b>\$ 3,000,000</b>
	<b>Total Cost Estimate: \$ 3,150,000</b>						

## SANITARY SEWER

### SS2202 - Replacement of Diesel Tank

**Initial Project Start:** July 1, 2022  
**Initial Project Completion:** June 30, 2023  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** End of life cycle  
**Multi-year Project:** No



**Description:** In-kind replacement of a 4,000 gallon diesel storage tank used to supply fuel to standby generators and City vehicles. The existing tank is compromised.

**Supplemental Information:** The City of Hercules will reimburse the Sewer Enterprise fund for 50% of the total project cost.

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	500		\$ 150,000				
	Subtotal		\$ 150,000				
	<b>Total Cost Estimate: \$ 150,000</b>						

# SANITARY SEWER

## SS2201 - Sanitary Sewer Rehabilitation

**Initial Project Start:** July 1, 2022  
**Initial Project Completion:** June 30, 2027  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Master Plan  
**Multi-year Project:** Yes



**Description:** Various improvements to the Sanitary Sewer collection system, as identified in the Sanitary Sewer Collection System Master Plan.

**Supplemental Information:**

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
<b>Construction</b>	500		\$ 1,500,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000
	<b>Subtotal</b>		<b>\$ 1,500,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>
	<b>Total Cost Estimate: \$ 4,700,000</b>						



## SANITARY SEWER

### SS2101 - Secondary Clarifier—Center Column Rehabilitation

**Initial Project Start:** July 1, 2021  
**Initial Project Completion:** June 30, 2022  
**Revised Project Start:** July 1, 2022  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** End of life cycle  
**Multi-year Project:** No



**Description:** The Secondary Clarifier #5 has reached the end of its useful life. The project will involve removal and replacement of catwalk, drive mechanism, center column, and rake arm.

**Supplemental Information:** The City of Hercules will reimburse the Sewer Enterprise fund for 50% of the total project cost.

**Budget:**

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	500		\$ 350,000				
	<b>Subtotal</b>		<b>\$ 350,000</b>				
	<b>Total Cost Estimate: \$ 350,000</b>						

## SANITARY SEWER

### SS2102 - Air Release Valve Replacements

**Initial Project Start:** July 1, 2021  
**Initial Project Completion:** June 30, 2022  
**Revised Project Start:** July 1, 2022  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** No



**Description:** There are four air relief valves at various locations on the WPCP Effluent Pipeline between the WPCP and the Rodeo treated water discharge point. This project includes removal and replacement of the pipe saddle, short pipe section, isolation valve, and air relief valve. The four locations are: 1) across from the WPCP at 11 Tennent Ave., near the entrance of the SF Bay Trail, 2) On the SF Bay Trail near the corner of Santa Fe and Railroad Ave., 3) At the intersection of Mariposa St. and Railroad Ave. (Rodeo), 4) Outside the gate of Rodeo Sanitary District at 800 San Pablo Ave. (Rodeo).

**Supplemental Information:** The City of Hercules will be reimburse the Sewer Enterprise fund for 50% of the total project cost.

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	500		\$ 50,000				
	<b>Subtotal</b>		<b>\$ 50,000</b>				
	<b>Total Cost Estimate: \$ 50,000</b>						

## SANITARY SEWER

### SS2002 - Water Pollution Control Plant Lab Remodel

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2021  
**Revised Project Start:** July 1, 2022  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** Regulatory Requirement  
**Multi-year Project:** No



**Description:** The California Environmental Laboratory Accreditation Program (ELAP) is responsible for accrediting environmental testing labs including the Pinole - Hercules WPCP. The 2019 ELAP inspection results indicated the lab apparatus, countertops, and the fume hood are past their useful life and recommended replacement.

**Supplemental Information:** The City of Hercules will be reimburse the Sewer Enterprise fund for 50% of the total project cost.

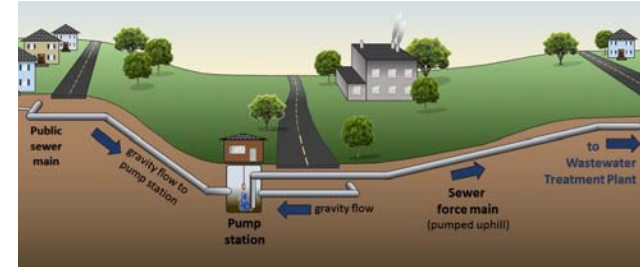
**Budget:**

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	500		\$ 100,000				
	<b>Subtotal</b>		<b>\$ 100,000</b>				
	<b>Total Cost Estimate: \$ 100,000</b>						

# SANITARY SEWER

## SS1702 - Sewer Pump Station Rehabilitation

**Initial Project Start:** October 1, 2020  
**Initial Project Completion:** August 31, 2022  
**Revised Project Start:** July 1, 2023  
**Revised Project Completion:** June 30, 2024  
**Project Origin:** End of lifecycle  
**Multi-year Project:** No



**Description:** The City owns and operates two lift stations to convey flow from low lying areas to high elevations where the flow continues by gravity to the wastewater treatment plant. Both pump stations have reached the end of their useful life and need to be rehabilitated.

**Supplemental Information:** The two pump stations are located on San Pablo Ave. and Hazel St. In FY 2019/20, this project was renamed to include both pump stations. Previously, this project was titled, “Hazel Street Sewer Pump Rehabilitation.”

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Design	500			\$ 22,500			
Engineering	500			\$ 150,000			
Construction	500			\$ 884,000			
Contingency	500			\$ 143,500			
	<b>Subtotal</b>			<b>\$ 1,200,000</b>			
	<b>Total Cost Estimate: \$1,200,000</b>						

# STORMWATER

## SW2001 - Roble Road Storm Drainage Improvements

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2021  
**Revised Project Start:** July 1, 2022  
**Revised Project Completion:** June 30, 2024  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** Yes



**Description:** The existing system appears to have capacity issues at Roble Ave. and Encina Ave. that warrant review and upgrade. This project will assess the collection system for capacity and hydraulic profile and upgrade the system as necessary.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Engineering	276			\$ 30,000			
Construction	276				\$ 280,000		
Contingency	276				\$ 40,000		
	<b>Subtotal</b>			<b>\$ 30,000</b>	<b>\$ 320,000</b>		
	<b>Total Cost Estimate: \$ 350,000</b>						

# STORMWATER

## SW2002 - Adobe Road Storm Drainage Improvements

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2021  
**Revised Project Start:** July 1, 2023  
**Revised Project Completion:** June 30, 2025  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** Yes



**Description:** Adobe Road experienced a failure due to drainage impacts. Installation of a culvert will be required to control the drainage in the area. The area will then be regraded and the road surface will be restored. This road serves only as a service access route.

### Supplemental Information:

### Budget:

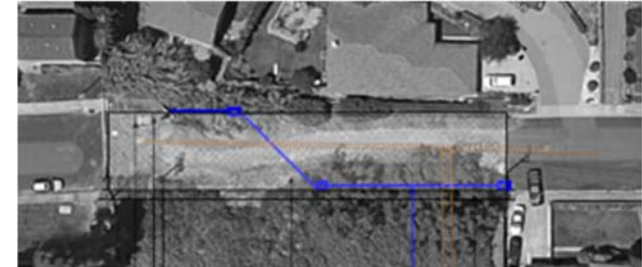
	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Engineering	106			\$ 30,000			
Construction	106				\$ 175,000		
Contingency	106				\$ 25,000		
	<b>Subtotal</b>			<b>\$ 30,000</b>	<b>\$ 200,000</b>		
	<b>Total Cost Estimate: \$ 230,000</b>						



# STORMWATER

## SW1901 - Hazel Street Storm Drain Improvements

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2021  
**Revised Project Start:**  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** Development Driven  
**Multi-year Project:** Yes



**Description:** The existing stormwater collection is an open trench system and needs to be converted to an underground conveyance system to facilitate construction of a through road. This project will include connecting the existing storm drain network within Hazel Street between 1087 Hazel St (eastern limits) and 1081 Hazel St. (western limits). In January 2020, the City contacted with Schaff and Wheeler to prepare the preliminary design which includes plan and profile of the pipe and technical specifications.

**Supplemental Information:** This conversion also aids in compliance with the MSP4 by reducing the potential of contaminants including litter from entering the stormwater system.

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Design	106	\$ 54,910					
Construction	106		\$ 356,460				
	276		\$ 58,000				
Contingency	106		\$ 62,000				
	<b>Subtotal</b>	<b>\$ 54,910</b>	<b>\$ 476,460</b>				
	<b>Total Cost Estimate: \$ 531,370</b>						

# ROADS

## RO2501 - Residential Slurry Seal

**Initial Project Start:** July 1, 2025  
**Initial Project Completion:** June 30, 2026  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Pavement Management Program  
**Multi-year Project:** No



**Description:** Based on the most current P-TAP report various segments will be recommended for slurry seal treatment. A slurry seal functions as a topcoat to existing asphalt pavement to preserve and protect the pavement. It is best suited for pavements with mild to moderate damage, such as narrow cracks, but not for severe damage such as potholes.

### Supplemental Information:

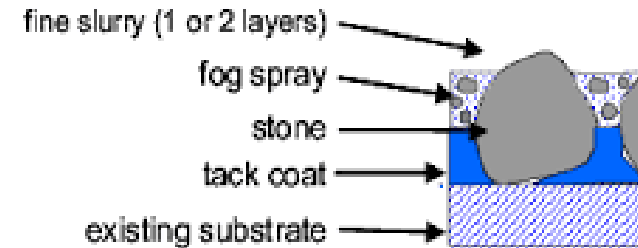
### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Engineering	325					\$ 10,000	
Construction	325					\$ 800,000	
Contingency	325					\$ 80,000	
	<b>Subtotal</b>					<b>\$ 890,000</b>	
	<b>Total Cost Estimate: \$ 890,000</b>						

## ROADS

### RO2401 - Cape Seal

**Initial Project Start:** July 1, 2024  
**Initial Project Completion:** June 30, 2025  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Pavement Management Program  
**Multi-year Project:** No



**Description:** Based on the most current P-TAP report, various pavement segments will benefit from a cape seal. A cape seal is applied when a slurry seal or micro-surfacing will not adequately address the pavement deterioration. Cape seals are a multi-layered treatment pavement preservation treatment which can extend the life of a pavement by 6-8 years.

#### Supplemental Information:

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Engineering	325				\$ 10,000		
Construction	325				\$ 500,000		
Contingency	325				\$ 50,000		
	<b>Subtotal</b>				<b>\$ 560,000</b>		
	<b>Total Cost Estimate: \$ 560,000</b>						

# ROADS

## RO2301 - Residential Slurry Seal

**Initial Project Start:** July 1, 2023  
**Initial Project Completion:** June 30, 2024  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Pavement Management Program  
**Multi-year Project:** No



**Description:** Based on the most current P-TAP report various segments will be recommended for slurry seal treatment. A slurry seal functions as a topcoat to existing asphalt pavement to preserve and protect the pavement. It is best suited for pavements with mild to moderate damage, such as narrow cracks, but not for severe damage such as potholes.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Engineering	325			\$ 10,000			
Construction	325			\$ 800,000			
Contingency	325			\$ 80,000			
	<b>Subtotal</b>			<b>\$ 890,000</b>			
	<b>Total Cost Estimate: \$ 890,000</b>						

# ROADS

## RO2101 - Arterial Rehabilitation

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2023  
**Revised Project Start:**  
**Revised Project Completion:** June 30, 2024  
**Project Origin:** Pavement Management Program  
**Multi-year Project:** Yes



**Description:** Based on the 2019 P-TAP report, various segments were recommended for treatment by StreetSaver®. The recommendations will be further validated through a comparative pavement analysis to explore additional treatment options which are not discussed in the P-TAP report. This will allow the City to optimize the available funding. In February 2021, the City selected a consultant to complete the preliminary engineering for this project.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Engineering	377	\$ 18,606	\$ 39,874				
Construction	200		\$ 428,910				
	377		\$ 625,000	\$ 215,000			
Contingency	377		\$ 93,750	\$ 32,250			
	<b>Subtotal</b>	<b>\$ 18,606</b>	<b>\$ 1,187,534</b>	<b>\$ 247,250</b>			

## ROADS

### RO2102 - Tennent Ave. Rehabilitation

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2023  
**Revised Project Start:**  
**Revised Project Completion:** June 30, 2025  
**Project Origin:** Pavement Management Program  
**Multi-year Project:** Yes



**Description:** The construction impacts from the WPCP upgrade project resulted in pavement deterioration. This project will rehabilitate Tennent Ave. from San Pablo Ave. to WPCP. In February 2021, the City selected a consultant to complete the preliminary engineering for this project.

**Supplemental Information:** In preparation of this project, the City retained a consultant to perform internal CCTV on this section of roadway. The inspection was completed in early 2021. Coordinating collection system improvements with street resurfacing projects ensures that sewer improvements are made prior to the resurfacing so that manholes and valve covers may be properly realigned, and repairs and replacements are made in a cost-effective manner. This also avoids cutting and patching recently paved streets. The City of Hercules will reimburse \$86,430 for this project.

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Engineering	500	\$ 27,423	\$ 10,382				
Construction	200				\$ 381,082		
	500				\$ 74,597		
	325				\$ 167,321		
Contingency	500				\$ 32,000		
	<b>Subtotal</b>	<b>\$ 27,423</b>	<b>\$ 10,382</b>		<b>\$ 655,000</b>		
	<b>Total Cost Estimate: \$ 692,805</b>						



## ROADS

### RO2105 - Appian Way Complete Streets

**Initial Project Start:** July 1, 2021  
**Initial Project Completion:** June 30, 2022  
**Revised Project Start:**  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** Yes



**Description:** Completion of preliminary engineering and design to provide continuous sidewalks and bike lanes along Appian Way beginning from unincorporated El Sobrante to about 1500 lineal feet north of the City limit within Pinole. In December 2021, City Council approved a Cooperative Funding Agreement with WCCTAC to receive STMP funds to complete preliminary design for this project.

**Supplemental Information:** This project will connect with the Contra Costa County's project to provide continuous sidewalks and bike lanes along Appian Way from San Pablo Dam Rd. in unincorporated El Sobrante. This project will involve coordination with Contra Costa County. The construction phase of this project is unfunded and appears in the Unfunded and Unprogrammed list.

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Engineering	325		\$ 100,000				
	UF						\$ 970,000
	<b>Subtotal</b>		<b>\$ 100,000</b>				<b>\$ 970,000</b>
	<b>Total Cost Estimate: \$1,070,000</b>						

## ROADS

### RO2107 - Brandt St. Improvements

**Initial Project Start:** July 1, 2021  
**Initial Project Completion:** June 30, 2023  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Council Request  
**Multi-year Project:** No



**Description:** Provide improvements on Brandt St. including application of pavement treatments based on type and severity of distresses on existing pavement.

**Supplemental Information:**

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Engineering	100		\$ 50,000				
Construction	100		\$ 120,000				
	<b>Subtotal</b>		<b>\$ 170,000</b>				
	<b>Total Cost Estimate: \$ 170,000</b>						

## ROADS

### RO1902 - Pedestrian Improvements at Tennent Ave. near R x R

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2021  
**Revised Project Start:**  
**Revised Project Completion:** June 30, 2025  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** Yes



**Description:** In 2018, the East Bay Regional Park District completed a trail link to connect Pinole Shores Regional Shoreline to Bayfront Park trail. There remains one very small gap on Tennent Ave. from Bayfront Park to Railroad Ave. Improvements to Tennent Ave. at the Railroad Crossing will facilitate safe movement of bicycles and pedestrians. Since project inception, the scope of work has evolved to include improvements that would maximize parking on Railroad Avenue for park users. In February 2021, the City selected a consultant to complete the preliminary engineering for this project.

**Supplemental Information:** WCCTAC held its STMP Call for Projects in 2018 which committed \$100k in funding for preliminary engineering from the 2006 STMP program for this project. This project is eligible to respond to future STMP Call for Projects to compete for funding to advance the project through construction.

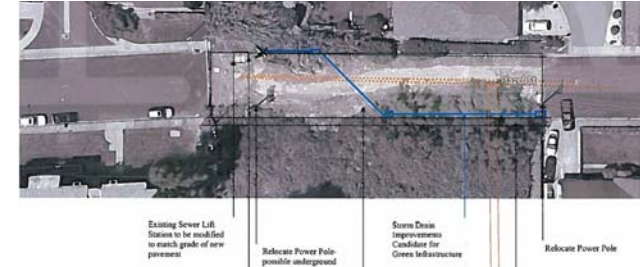
#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Design	325	\$ 37,324	\$ 61,556				
Construction	325				\$ 19,700		
	UF				\$ 680,000		
Contingency	UF				\$ 100,300		
	Subtotal	\$ 37,324	\$ 61,556		\$ 800,000		
	<b>Total Cost Estimate: \$ 898,880</b>						

## ROADS

### RO1802 - Hazel Street Gap Closure (Sunnyview)

**Initial Project Start:** July 1, 2021  
**Initial Project Completion:** June 30, 2022  
**Revised Project Start:**  
**Revised Project Completion:** July 30, 2025  
**Project Origin:** Development Driven  
**Multi-year Project:** No



**Description:** A developer has proposed to develop on a vacant lot identified as APN 402-013-060 at the end of Hazel Street. The project proposes the subdivision of the lot into four new parcels and development of single family residences on each new parcel, and execution of a development agreement to make public improvements, including the extension of Hazel Street for roadway connection to Sunnyview Drive - West end of Hazel St.

**Supplemental Information:** Completion of Project SW1901 prior to this project.

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Construction	276				\$ 50,000		
	Developer				\$ 150,000		
	<b>Subtotal</b>				<b>\$ 200,000</b>		
	<b>Total Cost Estimate: \$ 200,000</b>						

## ROADS

### RO1710 - San Pablo Avenue Bridge over BNSF Railroad

**Initial Project Start:** July 1, 2017  
**Initial Project Completion:** Beyond 5 year term  
**Revised Project Start:**  
**Revised Project Completion:** June 30, 2026  
**Project Origin:** End of life cycle  
**Multi-year Project:** Yes



**Description:** The San Pablo Avenue bridge over the Burlington Northern Santa Fe Railroad is an integral part of the area's transportation network. The age and condition assessment of the bridge supports replacement. The City was approved for initial funding from the Caltrans Highway Bridge Program (HBP). In February 2020, the City awarded a contract to a consultant for preliminary engineering (PE) to advance the project. The PE will be completed in two phases due to funding limitations. Completion of preliminary design is necessary to develop a final cost estimate for the project. Unfunded portions of this project appear in the Unfunded and Unprogrammed project list as Project UF022.

**Supplemental Information:** The total budget identified to complete the PE exceeds the amount of funding Caltrans committed to the project of the State's share in the current HBP.

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
<b>PM</b>	325	\$ 257,061	\$ 80,000	\$ 42,439			
<b>Planning &amp; Design</b>	325	\$ 537,176	\$ 1,225,463	\$ (42,439)	\$ (7,500)		
	STMP	\$ (91,089)	\$ (1,223,746)	\$ (285,165)			
	HBP	\$ (708,856)	\$ (81,717)				
	UF						
<b>Construction</b>	STMP						
	UF			\$16,578,400	\$ 8,439,200	\$ 8,439,200	
	<b>Subtotal</b>	<b>\$ (5,709)</b>	<b>\$ -</b>	<b>\$16,293,235</b>	<b>\$ 8,431,700</b>	<b>\$ 8,439,200</b>	
	<b>Total Cost Estimate: \$33,158,426</b>						

## ROADS

### RO1708 - Pinole Valley Road Improvements

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2021  
**Revised Project Start:** July 1, 2022  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** Council Request  
**Multi-year Project:** No



**Description:** As part of the high school construction project WCCUSD provided road improvements along the school frontage. Improvements to Pinole Valley Road - from Shea Dr. to Helena Ct. will extend the useful life of the pavement. The existing pavement score is high in this area, so a slurry seal may be the recommended treatment.

#### Supplemental Information:

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Engineering	200		\$ 5,000				
Construction	200		\$ 87,000				
Contingency	200		\$ 8,000				
	<b>Subtotal</b>		<b>\$ 100,000</b>				
	<b>Total Cost Estimate: \$ 100,000</b>						



## ROADS

### RO1714 - Safety Improvements at Appian Way and Marlesta Rd. (formerly known as HAWK at Appian Way and Marlesta Rd.)

**Initial Project Start:** July 1, 2024  
**Initial Project Completion:** June 30, 2025  
**Revised Project Start:** July 1, 2020  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** TAPS  
**Multi-year Project:** Yes



**Description:** The key elements affecting the safety of pedestrians and cyclists at the Appian Way and Marlesta Way intersection is speed and reduced visibility of approaching traffic due to the topography of the project area. Safety improvements are required to improve crossing conditions for pedestrians and bicyclists. In February 2021, the City selected a Consultant to complete the preliminary engineering for this project.

**Supplemental Information:** The City secured grant funds to install a traffic signal at this intersection instead of a HAWK.

#### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
<b>Design</b>	325	\$ 25,193	\$ 9,144				
<b>Construction</b>	OBAG2		\$ 350,000				
	TDA		\$ 129,400				
	106		\$ 67,278				
<b>Contingency</b>	106		\$ 82,050				
	<b>Subtotal</b>	<b>\$ 25,193</b>	<b>\$ 637,872</b>				
	<b>Total Cost Estimate: \$ 663,065</b>						

# INFRASTRUCTURE ASSESSMENTS

## IN2201 - Energy Audit

**Initial Project Start:** July 1, 2022  
**Initial Project Completion:** June 30, 2023  
**Revised Project Start:**  
**Revised Project Completion:**  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** No  
**Description:**  
**Supplemental Information:**



### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Planning	106		\$ 50,000				
	Subtotal		\$ 50,000				
	Total Cost Estimate: \$ 50,000						

# INFRASTRUCTURE ASSESSMENTS

## IN2101 - Emergency Power for Critical Facilities

**Initial Project Start:** July 1, 2021  
**Initial Project Completion:** June 30, 2023  
**Revised Project Start:** July 1, 2022  
**Revised Project Completion:** June 30, 2024  
**Project Origin:** Council Request  
**Multi-year Project:** Yes



**Description:** During severe natural hazard events, it is highly likely that utility power will not be available for an extended period of time. Critical facilities will need reliable sources of sustained electrical power to continue operations. This project will: 1) identify critical facilities in need of back-up power in coordination with an Emergency Operations Plan (EOP) , 2) assess power loads in each critical facility that requires back-up power, 3) determine the costs and technology options including solar battery storage, and 4) make any additional recommendations to Council before advancing to construction.

**Supplemental Information:** The Public Safety Building, Fire Station 74, and the Water Pollution Control Plant have stand by generators.

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Design	100		\$ 30,000				
Construction	100			\$ 170,000			
	<b>Subtotal</b>		<b>\$ 30,000</b>	<b>\$ 170,000</b>			
	<b>Total Cost Estimate: \$ 200,000</b>						

# INFRASTRUCTURE ASSESSMENTS

## IN2102 - Municipal Broadband Feasibility

**Initial Project Start:** July 1, 2021  
**Initial Project Completion:** June 30, 2024  
**Revised Project Start:** July 1, 2022  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** Council Request  
**Multi-year Project:** No



**Description:** A feasibility study will determine a successful deployment strategy and associated costs for implementing municipal broadband service in Pinole.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Planning	106		\$ 60,000				
	Subtotal		\$ 60,000				
	Total Cost Estimate: \$ 60,000						

# INFRASTRUCTURE ASSESSMENTS

## IN2103 - Recycled Water Feasibility

**Initial Project Start:** July 1, 2022  
**Initial Project Completion:** June 30, 2023  
**Revised Project Start:**  
**Revised Project Completion:** June 30, 2024  
**Project Origin:** Council Request  
**Multi-year Project:** Yes



**Description:** A feasibility study will allow the City to plan and phase the construction of future recycled water distribution system infrastructure. The study will identify potential recycled water customers, evaluate the quantity, quality, and recycled water distribution system options to address the needs of potential users in surrounding areas, seek opportunities to phase the construction of a recycled water delivery system, and develop planning-level cost options for the phased system.

**Supplemental Information:** Recycled water delays or eliminates the need to construct more potable water facilities, sustains the economy with increased water supply reliability, protects the environment, safeguards investments in parks and landscaping with drought proof or drought resistant water supply, and contributes to a green and healthy environment. In 2019, East Bay Municipal Utility District (EBMUD) prepared an Updated Recycled Water Plan which considered the potential for potable reuse in EBMUD's water service area. The development of a new recycled water supply for the Phillips 66 refinery in Rodeo using effluent from the Pinole-Hercules and Rodeo wastewater treatment plants was among the recommended non-potable reuse projects. This project is estimated to deliver up to 3.67 MGD of recycled water to the refinery for use in their boilers and cooling towers. The combined final disinfected effluent from both plants would be pumped at the Rodeo Pump Station to the refinery for treatment a new advanced recycled water treatment plan. This project was recommended by EBMUD because it would deliver a large amount of water to a single customer, with comparatively few pipelines required due to the short distance between the sources of wastewater and the Phillips 66 Refinery

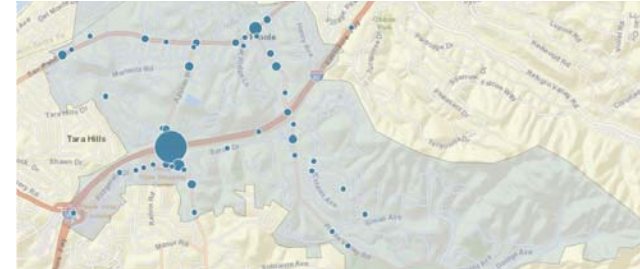
### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Design	100		\$ 60,000				
Construction	100			\$ 140,000			
	Subtotal		\$ 60,000	\$ 140,000			
	Total Cost Estimate: \$ 200,000						

# INFRASTRUCTURE ASSESSMENTS

## IN2104 - Local Road Safety Plan

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2022  
**Revised Project Start:**  
**Revised Project Completion:** December 30, 2022  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** Yes



**Description:** Development of a Local Road Safety Plan (LRSP) which will include an existing conditions assessment, development of traffic measures in areas of engineering, education, encouragement, enforcement, emerging technologies along with associated evaluation. The LRSP will include a prioritized list of roadway infrastructure improvements.

**Supplemental Information:** In July 2020, staff submitted a grant application to Caltrans for funding to develop and implement an LRSP for the City of Pinole. LRSP's allow local governments to identify, analyze, and prioritize roadway safety improvements on roads within their jurisdiction. In the future, an LRSP or its equivalent, will be required for agencies to apply for federal Highway Safety Improvement Plan funds. In October 2020, the City was selected for funding and implementation of an LRSP. In December 2020, the City released a Request for Proposals to seek professional services from licensed engineering firms to develop a LRSP. A contract was awarded to a consultant in April 2021.

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Planning	325	\$ 19,013	\$ 20,650				
	<b>Subtotal</b>	\$ 19,013	\$ 20,650				
	<b>Total Cost Estimate: \$ 39,663</b>						



# INFRASTRUCTURE ASSESSMENTS

## IN2106 - Active Transportation Plan

**Initial Project Start:** July 1, 2021  
**Initial Project Completion:** June 30, 2022  
**Revised Project Start:** July 1, 2022  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** TAPS  
**Multi-year Project:** No



**Description:** Development of an Active Transportation Plan will act as a guide for active mobility within and around Pinole. The Plan will identify an integrated network of walkways and bikeways that connect Pinole neighborhoods and communities to employment, education, commercial, recreational, and tourist destinations. The plan will prioritize a set of connected projects, that when fully implemented, will increase active transportation opportunities and make it safe and more convenient for people to walk, bike, and use non-auto forms of travel.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Planning	100		\$ 75,000				
	Subtotal		\$ 75,000				
	Total Cost Estimate: \$ 75,000						

# INFRASTRUCTURE ASSESSMENTS

## IN2001 - Sanitary Sewer Collection System Master Plan

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2022  
**Revised Project Start:**  
**Revised Project Completion:** December 30, 2022  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** Yes



**Description:** In September 2020, the City Council awarded a contract to Carollo Engineers, Inc. to develop a Sanitary Sewer Collection System Master Plan (Plan). The Plan will provide a condition assessment of the sewer collection assets to inform capital planning and effectively serve the wastewater needs of residents and businesses. This plan will also provide a capacity analysis to identify pipes that need to be upsized. Master planning is critical to identify when and where infrastructure upgrades or improvements will be needed to accommodate growth.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Planning	500	\$ 359,147	\$ 89,853				
	<b>Subtotal</b>	<b>\$ 359,147</b>	<b>\$ 89,853</b>				
	<b>Total Cost Estimate: \$449,000</b>						

# INFRASTRUCTURE ASSESSMENTS

## IN1703 - Storm Drainage Master Plan

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2023  
**Revised Project Start:** July 1, 2023  
**Revised Project Completion:** June 30, 2025  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** Yes



**Description:** Preparation of a storm drain master plan will provide an analysis of the existing collection system. The plan will identify system deficiencies related to capacity, functionality, and permit compliance. The plan can serve to guide future budget allocations for improvements to the system.

### Supplemental Information:

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Planning	106			\$ 75,000	\$ 75,000		
	<b>Subtotal</b>			<b>\$ 75,000</b>	<b>\$ 75,000</b>		
	<b>Total Cost Estimate: \$ 150,000</b>						

# INFRASTRUCTURE ASSESSMENTS

## IN1704 - Park Master Plan

**Initial Project Start:** July 1, 2020  
**Initial Project Completion:** June 30, 2021  
**Revised Project Start:** July 1, 2021  
**Revised Project Completion:** June 30, 2023  
**Project Origin:** Staff Recommendation  
**Multi-year Project:** No



**Description:** Preparation of a park master plan will aid the City in developing a strategic approach to park maintenance and operation. The master plan will allow the City to quantify and qualify the existing park system, identify deficiencies, and develop a financial analysis of the cost to maintain and operate park assets.

**Supplemental Information:** This project was added to the CIP in 2017 as an unfunded project; Council approved funding in 2020.

### Budget:

	Fund	Prior Funding	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Planning	106		\$ 100,000				
	<b>Subtotal</b>		<b>\$ 100,000</b>				
	<b>Total Cost Estimate: \$ 100,000</b>						

## **UNFUNDED AND UNPROGRAMMED PROJECTS**

**CAPITAL IMPROVEMENT PLAN: FY 2022/23 THROUGH FY 2026/27  
UNFUNDED AND UNPROGRAMMED PROJECTS**

#	Unfunded/Unprogrammed Projects
UF001	Railroad Avenue Bridge Removal and Replacement
UF002	Electric Vehicle Charging Stations in City lots
UF003	Parking lot resurfacing
UF004	LLAD Landscape Restoration and Improvement
UF005	Dog Park Restroom Replacement
UF006	Dog Park resurfacing and fencing improvements
UF007	Eucalyptus Grove Restoration
UF008	Fernandez Park Baseball grandstand improvement
UF009	Repave Trails
UF010	ADA Ramps
UF011	Appian Complete Streets
UF012	Bridge Maintenance
UF013	Installation of High intensity Activated crossWALK (HAWK)
UF014	Pavement Maintenance
UF015	I-80/Pinole Valley Rd. Interchange Improvements
UF016	Shale Hill Retaining wall and sidewalk gap
UF017	Sidewalks gaps
UF018	Signal System Upgrades
UF019	San Pablo Sewer Lift Station Upgrade
UF020	Sewer Collection Systemwide Rehabilitation
UF021	Tree Master Plan
UF022	San Pablo Avenue Bridge over BNSF Railroad
UF023	Installation of Solar at City Facilities
UF024	All weather access roads

## UF001 - Railroad Avenue Bridge Removal and Replacement

### Project Information

The Contra Costa County Flood Control and Water Conservation District has advised removal of the Railroad Avenue Bridge. The bridge is a flood barrier. The first step is to determine if the City of Pinole is the responsible agency for this project.

**Origin:** Staff Recommendation

**Budget Unit:** Roads/Sanitary Sewer/Stormwater

**Cost Estimate:**

**Potential Funding Sources:**

## UF002 - Electric Vehicle Charging Stations in City lots

### Project Information

The City desires to promote and encourage the use of electric vehicles. With increased adoption of alternative fuel vehicles, the need for charging infrastructure is growing. The City wishes to install charging stations in city owned parking lots. The first step is to complete a load study at City owned parking lots to determine the electrical capacity at each site. There may be significant electrical upgrades necessary to install charging stations. Electrical capacity and siting determine ultimately determine the cost of each project. There are incentives available for the charging equipment.

**Origin:** Council Request

**Budget Unit:** Facilities

**Cost Estimate:**

**Potential Funding Sources:** Bay Area Air Quality Management District, West Contra Costa Transportation Authority, Marin Clean Energy



## UF003 - Parking lot resurfacing

### Project Information

This project is to maintain and enhance existing City owned parking facilities and infrastructure, to increase parking supply, and to support ongoing multi-modal and streetscape improvements. Improvements include saw cutting and demolition, pavement removal, earthwork, pavement installation, curb and gutter, striping, and signage.

**Origin:** Staff Recommendation

**Budget Unit:** Facilities

**Cost Estimate:**

**Potential Funding Sources:** Economic stimulus funding

## UF004 - LLAD Landscape Restoration and Improvement

### Project Information

The Pinole Valley Road Landscape and Lighting Assessment District was formed in 2008. The City installed various improvements on Pinole Valley Road between Henry Avenue and Ramona Street. The district provides maintenance to traffic signals, streetlights, median landscaping, irrigation for landscaping, electricity to traffic signals and streetlights, and graffiti removal. This project will maintain and restore turf, shrubs, plants and trees within the District.

**Origin:** LLAD Report

**Budget Unit:** LLAD

**Cost Estimate:**

**Potential Funding Sources:** Fund 345 & 348

## UF005 - Dog Park Restroom Replacement

### Project Information

The existing restroom located at the Dog Park is beyond its useful life and requires replacement.

**Origin:** Staff Recommendation

**Budget Unit:** Parks

**Cost Estimate:**

**Potential Funding Sources:** -

## UF006 - Dog Park resurfacing and fencing improvements

### Project Information

Resurfacing and fencing improvements

**Origin:** Staff Recommendation

**Budget Unit:** Parks

**Cost Estimate:**

**Potential Funding Sources:**

## UF007 - Eucalyptus Grove Restoration

### Project Information

The open space located between the Old Town area between John St. and Pinole Valley Road is forested with Eucalyptus trees. In 2014, a Safety Inspection was conducted by a consultant. A total of 8 trees were recommended for removal, and root crown excavation was recommended for 3 trees. 2 trees were determined to be hollow and recommended for further investigation to evaluate the level of internal decay. In 2018, the City hired a company to remove 20 Eucalyptus trees in the area. There are still many trees left and many of the prior trees were felled with the trunks remaining on site. This project will remove the remaining trees, both standing and, on the ground, and regreen this area with native trees.

**Origin:** Council Request

**Budget Unit:** Parks

**Cost Estimate:**

**Potential Funding Sources:**

## UF008 - Fernandez Park Baseball grandstand improvement

### Project Information

The current grandstand is aging and requires increased maintenance to maintain its serviceability.

**Origin:** Staff Recommendation

**Budget Unit:** Parks

**Cost Estimate:**

**Potential Funding Sources:**

## UF009 - Repave Trails

### Project Information

The City's goal is to develop safe, connected, and comfortable bicycle and pedestrian facilities for people of all ages and abilities. Repaving trails will enhance trail access from the City's roadway network to encourage alternative modes of transportation.

**Origin:** Staff Recommendation

**Budget Unit:** Parks

**Cost Estimate:**

**Potential Funding Sources:**

## UF010 - ADA Ramps

### Project Information

This project involves removing barriers to accessibility for persons using wheelchairs or other personal assistance devices and improving pedestrian accessibility and safety by reconstructing or upgrading curb ramps at various locations throughout the City.

**Origin:** Staff Recommendation

**Budget Unit:** Roads

**Cost Estimate:**

**Potential Funding Sources:**

## UF011 - Appian Complete Streets

### Project Information

This project will provide continuous side-walks and bike lanes along Appian Way from San Pablo Dam Rd. in unincorporated El Sobrante to about 1500 lineal feet north of the city limit within the City of Pinole. The City will seek 2019 STMP funds from West Contra Costa Transportation Authority for preliminary design.

**Origin:** Staff Recommendation

**Budget Unit:** Roads

**Cost Estimate:** \$970,000

**Potential Funding Sources:** -

## UF012 - Bridge Maintenance

### Project Information

Maintenance of vehicular and pedestrian bridges as identified in the Caltrans Bridge Inspection Reports and Pedestrian Bridge Inspection Reports completed by Quincy Engineering, Inc.

**Origin:** Staff Recommendation

**Budget Unit:** Roads

**Cost Estimate:**

**Potential Funding Sources:**

## UF013 - Installation of High intensity Activated crossWALK (HAWK)

### Project Information

A High Intensity Activated crossWALK (HAWK) beacon is a traffic control device used to stop road traffic and facilitate pedestrians to cross more safely. HAWKS are candidate treatments for roads with three or more lanes and generally have an annual average daily traffic above 9,000. HAWKS are considered for all midblock and intersection crossings where roadway speed limits are equal or greater than 40 mph. The safety of various crossings can be improved in Pinole through the installation of a HAWK.

**Origin:** Staff Recommendation

**Budget Unit:** Roads

**Cost Estimate:**

**Potential Funding Sources:**

## UF014 - Pavement Maintenance

### Project Information

The City uses a pavement management software known as StreetSaver to strategize the most cost effective method to extend the pavement life. Pavement Maintenance is necessary to maintain the City's pavement network. Deferred maintenance results in increased costs over time.

**Origin:** Staff Recommendation

**Budget Unit:** Roads

**Cost Estimate:** \$42,000,000

**Potential Funding Sources:** Fund 200 and Fund 106

## UF015 - I-80/ Pinole Valley Rd. Interchange Improvements

### Project Information

This project will widen Pinole Valley Road ramp terminal intersections at I-80 to provide a dedicated right turn lane to the eastbound and westbound I-80 on ramps. This project will also provide crossing enhancements at the Pinole Valley Road and I-80 intersection.

**Origin:** Staff Recommendation

**Budget Unit:** Roads

**Cost Estimate:** \$10,959,000

**Potential Funding Sources:**

## UF016 - Shale Hill Retaining wall and sidewalk gap

### Project Information

Shale Hill is located on San Pablo Ave. near Oak Ridge Road. The cut slope above the pavement is comprised of shale which is loose and sloughs onto the road. There is no sidewalk in this area because the toe of the embankment is uncontrolled and there is inadequate space to accommodate a sidewalk. Staff has not been successful in securing grant funds for this project.

**Origin:** Staff Recommendation

**Budget Unit:** Roads

**Cost Estimate:**

**Potential Funding Sources:**



## UF017 - Sidewalk gaps

### Project Information

This project will address sidewalk gaps by installing public sidewalks where sidewalks are missing on one or both sides of the street. This work will be coordinated with other construction projects. Sidewalk gaps often exist in places with site constraints (i.e. right of way, grade/slopes, or utility conflicts) or are adjacent to properties that have been required to provide sidewalks in the past due to land uses or ownerships. Locations for repair will be selected based on site conditions, pedestrian safety, and adjacent property attributes.

**Origin:** Staff Recommendation

**Budget Unit:** Roads

**Cost Estimate:**

**Potential Funding Sources:**

## UF018 - Signal System Upgrades

### Project Information

This project will upgrade various aspects of the City's traffic signal system including: traffic signal controller equipment, vehicle detection, traffic signal arms and heads, battery backup systems, and communications systems to reduce congestion and improve safety for the Pinole community.

**Origin:** Staff Recommendation

**Budget Unit:** Roads

**Cost Estimate:**

**Potential Funding Sources:**

## UF019 - San Pablo Sewer Lift Station Upgrade

### Project Information

This project involves upgrading the structural and electrical needs of the San Pablo Ave. lift station to address the safety and operational deficiencies.

**Origin:** Sanitary Sewer Master Plan

**Budget Unit:** Sewer

**Cost Estimate:**

**Potential Funding Sources:**

## UF020 - Sewer Collection Systemwide Rehabilitation

### Project Information

In 2020, the City contracted with a consultant to prepare a sanitary sewer collection system master plan. The Master Plan will provide condition assessment of sewer collection assets that will inform capital planning.

**Origin:** Sanitary Sewer Master Plan

**Budget Unit:** Sewer

**Cost Estimate:**

**Potential Funding Sources:**

## UF021 - Tree Master Plan

### Project Information

In 2019, the City Council established a Beautification Ad Hoc Committee to analyze options for, and to make recommendations to Council regarding clean-up and beautification projects in Pinole. Among other projects, the Committee recommended the development of a Tree Master Plan to inventory the existing trees, and to develop a plan for managing the tree inventory, including finding tree planting opportunities.

**Origin:** Beautification AdHoc Committee

**Budget Unit:**

**Cost Estimate:** \$375,000

**Potential Funding Sources:** Cal Fire Urban and Community Forestry Grant Program

## UF022 - San Pablo Avenue Bridge over BNSF Railroad

### Project Information

This project will replace the existing thirteen span reinforced concrete span structure over the Burlington Northern Santa Fe Railroad adjacent to San Pablo Avenue at the easterly limits of the City. On 02/18/20, Council awarded a contract to a Consultant to begin the preliminary engineering (PE) for this project (CIP Project RO1710). The PE will be completed in two phases due to funding limitations. The first phase was necessary to develop a final cost estimate to facilitate pursuing additional funding required to complete all phases including construction.

**Origin:** End of life cycle

**Budget Unit:** Roads

**Cost Estimate:** \$35,582,665

**Potential Funding Sources:** Fund 213, Fund 214, and Economic Stimulus funds.

**UF023 - Installation of Solar at City Facilities**

**Project Information**

This project involves procurement and installation of solar panels at City owned facilities to offset the City’s electricity consumption and reduce the greenhouse gas impacts.

**Origin:** Council Request

**Budget Unit:** Facilities

**Cost Estimate:**

**Potential Funding Sources:**

**UF024 - All access weather roads**

**Project Information**

The General Plan, Chapter 8 discusses improvement of open space management to reduce wildfire risks. There is a desire to have improved, all-weather access roads through open space to improve access to and from Hercules and El Sobrante to shorten response times and improve mutual aid.

**Origin:** General Plan

**Budget Unit:** Roads

**Cost Estimate:**

**Potential Funding Sources:**

## CIP Project Lifecycle and Project Status Summary

CIP projects usually have five major phases of their lifecycle, described below.

- **Initiation:** Projects in the CIP are selected and prioritized based on specific criteria such as consistency with master plans and policies, regulatory requirements, health and safety impacts, and community benefits. The funding is identified for projects and a capital budget is presented to Council for consideration. Once the CIP is adopted by City Council, staff is responsible for project implementation. The initiation phase involves determining whether the project will be managed by City staff or a consultant, assigning the project to a manager, and assembling the project team.
- **Planning:** The assigned project manager develops the scope, preliminary schedule, and funding requirements, and identifies stakeholders.

Construction projects can be completed through several delivery methods, including design-build and design-bid-build. In design-build, the same firm/team of firms is selected to design and build the project, whereas in design-bid-build one firm designs the project, then the construction is bid, and a construction firm builds the project. Depending on the delivery method, a construction project can involve several steps which may include design, bid, award, construction, and closeout.

For non-construction projects such as master planning, staff defines the initial project by identifying major goals and objectives.

Throughout the project lifecycle, coordination and engagement with various stakeholders is necessary. Stakeholders can include the community, business owners, utilities, funding partners, and other interested and affected parties.

- **Execution:** For construction projects, the project plans and specifications, and preliminary costs estimates, are prepared. Typically, there are three levels of design review which allow opportunity for coordination and input with stakeholders, utilities, funding partners, and regulatory agencies. The design review usually occurs at 35, 65, and 90 percent of design completion. As the design progresses through each level, the cost estimate becomes more precise. The completed design is reviewed and approved by the City Engineer.

For a design-bid-build project, the final approved design goes out to bid. The project cost estimate and source of project funding govern which procurement policies and procedures will apply. The City's procurement policy establishes the standards for purchase of goods, services, and supplies. Projects involving federal or State grant funds typically involve stricter and more formalized procedures. In addition, high value public works projects must adhere to

processes established in the California Public Contract Code. A contract is awarded to the most qualified and responsible vendor.

After a contract is awarded and executed with the appropriate insurance and bonds, project construction can begin. The project size and complexity dictate the length of the construction phase.

For master plans, stakeholders are engaged, and links are identified among other infrastructure plans, the General Plan, and other applicable City plans. Next, solutions including conceptual alternatives are developed. Viable solutions are evaluated to ensure they meet the goals and needs of the project. The master plan is a final document which contains a recommended program and/or capital project list.

- Monitoring: Throughout the project lifecycle, staff oversees and monitors the project. Construction projects involve construction management, contract compliance, and project management services, which include technical and administrative tasks. Staff is also responsible for grant administration for projects that are funded by grants.
- Closure: Once construction projects are complete, the as-built drawings are filed for future reference. Closeout activities involve completing project related paperwork including filing the notice of completion with the Contra Costa County Recorder's office. For master plans, the final plan is presented to City Council.

### STATUS OF SCHEDULED PROJECTS FOR FY 2022/23 THRU DECEMBER 31, 2022

139 of 560



[illegible]