
CAPITAL IMPROVEMENT PLAN

Mission

The Capital Improvement Plan (CIP) sets the schedule within which public improvements are proposed to be undertaken. The five-year schedule represents estimated future capital needs that may be funded given projected revenue estimates. The CIP is reviewed and revised annually. Capital expenditures that are expected to have matching revenue are included in the Annual Operating Budget that is presented to the City Council as part of the annual budget process in June.

Program Description

A Capital Improvement Plan is a major public infrastructure and planning tool for municipalities. The CIP is a statement of the City's policies and financial abilities to manage the physical development of the community. The development of a five-year CIP provides a systematic plan for providing infrastructure improvements within a prioritized framework.

Capital Projects completed:

- 2548 Charles Ave. (Fowler House) Demolition and Remove Asbestos
- Replaced lighting at Louis Frances Park
- Installed Trash Capture Devices – New Area
- Purchased New Street Sweeper
- Tree Maintenance and Removal (Various Locations)
- Water Pollution Control Plant Upgrade (Substantial completion September 2019)
- Public Safety HVAC Repair
- Miscellaneous Roadway Repair (Various Locations)
- Sidewalk Maintenance (Various Locations)
- Sign Replacement (Various Locations)

Key Objectives

Facility Maintenance: Replace HVAC at City Hall and Senior Center

- Funding: Measure S 2014

Parks: Replace Restrooms in Fernandez Park

- Funding: Measure S 2014

Sewer Collection: Sewer Pump Station Rehabilitation

- Funding: Sewer Enterprise fund

Sewer Treatment: Upgrades to Wastewater Treatment Plant

- Funding: Sewer Plant Expansion fund

Streets and Roadways: Residential Slurry Seal and Rehabilitation Program

- Funding: Gas Tax/Road Maintenance and Rehabilitation/SB1 funds

Streets and Roadways: Pavement Maintenance and Rehabilitation Program

- Funding: City Street Improvements and Arterial Street Rehabilitation funds



City of Pinole Proposed FY 2019-20 through 2023-24 Five-Year Capital Improvement Plan

SOURCES BY FUND	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	5-Year Total
Measure S 2014 - 106	1,497,799	517,000	315,000	150,000	150,000	\$ 2,479,799
Gas Tax - 200	837,118	370,850	315,100	315,100	315,100	\$ 1,838,168
Measure J - 215	209,650	810,103	-	-	-	\$ 1,019,753
Parkland Dedication - 275	15,509	-	-	-	-	\$ 15,509
Growth Impact Fees - 276	39,500	-	-	-	-	\$ 39,500
City Street Improvements - 325	1,928,889	1,968,897	250,000	250,000	250,000	\$ 4,397,786
Park Grants - 327	24,491	-	-	-	-	\$ 24,491
2014 Arterial Street Rehab - 377	1,141,019	250,000	250,000	250,000	250,000	\$ 1,891,019
Sewer Enterprise - 500	2,352,342	550,000	350,000	350,000	350,000	\$ 3,602,342
Sewer Plant Expansion - 503	1,250,000	-	-	-	-	\$ 1,250,000
Sources Total	9,296,317	4,466,850	1,480,100	1,315,100	1,315,100	\$ 16,558,367
Unfunded Total	18,500	200,000	\$90,000	-	-	\$ 308,500
Total Sources Required	\$ 9,314,817	\$ 4,666,850	\$ 1,570,100	\$ 1,315,100	\$ 1,315,100	\$ 18,181,967

5-Year Total

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PRJ #	USES BY PROJECT	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Budget Unit	Account #	Funding Source
FA1702	Citywide Roof repairs and replacement		\$272,000	\$140,000			Facilities	106-343-47201	Measure S 2014
FA1703	Paint City Hall (Inside and Outside)		\$70,000				Facilities	106-343-47201	Measure S 2014
FA1706	Replace HVAC and a portion of roof at Senior Center	\$110,000					Facilities	106-343-47201	Measure S 2014
FA1801	Replace HVAC at City Hall	\$120,000					Facilities	106-343-47201	Measure S 2014
FA1901	Fowler House Lot Reuse	\$200,000					Facilities	106-343-47201	Measure S 2014
PA1704	Prepare a Park Master Plan			\$55,000			Parks		Unfunded
PA1705	Rehabilitation of Play Fields at Fernandez Park	\$40,000					Parks	275-345-47203 \$15,509 327-345-47203 \$24,491	Park Impact/Grants
PA1706	Replace Chips with Rubber Matting at select park locations	\$50,000					Parks	106-345-47203	Measure S 2014
PA1708	Restrooms in Fernandez Park	\$333,603					Parks	106-345-47203	Measure S 2014

ATTACHMENT A



City of Pinole Proposed FY 2019-20 through 2023-24 Five-Year Capital Improvement Plan

PRJ #	USES BY PROJECT	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Budget Unit	Account #	Funding Source
PA1709	Senior Center Parking Lot Pavement Maintenance	\$67,196					Parks	106-345-47203	Measure S 2014
PA1710	Uniform Park Signage			\$35,000			Parks		Unfunded
PA1901	Pinole Valley Park Soccer Field Rehabilitation	\$200,000					Parks	106-345-47203	Measure S 2014
PA1902	Fernandez Park Baseball Field Rehabilitation	\$200,000					Parks	106-345-47203	Measure S 2014
SS1702	Sewer Pump Station Rehabilitation	\$1,000,000	\$200,000				Sewer Collection	500-642-47201	Sewer Enterprise
SS1703	Inflow and Infiltration Rehabilitation Program	\$60,000					Sewer Collection	500-642-47201	Sewer Enterprise
SS1704	Inflow and Infiltration Rehabilitation Program; Basin 3.1	\$350,000					Sewer Collection	500-642-47201	Sewer Enterprise
SS1705	Inflow and Infiltration Rehabilitation Program; Basin 5.2 and 6.5	\$350,000					Sewer Collection	500-642-47201	Sewer Enterprise
SS1707	Upgrades to Wastewater Treatment Plant	\$1,250,000					Sewer Treatment	503-643-47201	Sewer Expansion
SS1801	Inflow and Infiltration Rehabilitation Project	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	Sewer Collection	500-642-47201	Sewer Enterprise
SS1802	Rodeo Outfall Project	\$242,342					Sewer Treatment	500-641-47201	Sewer Enterprise
SW1702	Annual Stormwater Collection System Rehabilitation	\$0	\$0	\$150,000	\$150,000	\$150,000	Stormwater	106-344-47206	Measure S 2014
SW1901	Hazel Street Drainage Improvements	\$200,000					Stormwater	106-344-47206 \$192,000 276-344-47206 \$8,000	Measure S 2014/ Impact Fees
SW2001	Roble Road Drainage Improvements	\$0	\$200,000	\$0	\$0	\$0	Stormwater	276-344-47206	Impact Fees/ Unfunded
SW2002	Adobe Road Repair and Drainage Improvements	\$0	\$150,000	\$0	\$0	\$0	Stormwater	106-344-47206	Measure S 2014
SW1703	Storm Drainage Master Plan	\$25,000	\$25,000	\$25,000			Stormwater	106-344-42101	Measure S 2014
RO1707	Pavement Maintenance and Rehabilitation Program	\$2,432,923	\$815,100	\$815,100	\$815,100	\$815,100	Roads	325-342-47205 \$899,786 377-342-47205 \$796,019 200-342-47205 \$737,118	City Street Improv Arterial Rehab Gas Tax-RMRA
RO1708	Pinole Valley Road Improvements	\$50,000	\$50,000				Roads	200-342-47205	Gas Tax
RO1709	Pinole Valley Road Underground District		\$5,750				Roads	200-342-47205	Gas Tax

FY 2020

ATTACHMENT A



City of Pinole Proposed FY 2019-20 through 2023-24 Five-Year Capital Improvement Plan

PRJ #	USES BY PROJECT	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Budget Unit	Account #	Funding Source
RO1710	San Pablo Avenue Bridge over BNSF Railroad **	\$999,753	\$1,867,000				Roads	215-342-47205 \$70,650 325-342-47205 \$929,103	Measure J/CCTA TLC & State Funding
RO1713	Sharrows Pavement Markings	\$19,000					Roads	215-342-47205	Measure J
RO1714	HAWK at Appian Way and Marlesta	\$120,000					Roads	215-342-47205	Measure J/CCTA TLC Grant
RO1801	San Pablo Avenue Rehabilitation		\$662,000				Roads	325-342-47205 \$76,000 215-342-47205 \$586,000	Measure J/CCTA OBAG 2 Grant
RO1802	Hazel Street Gap Closure (Sunnyview)	\$50,000					Roads	276-344-47205 \$31,500 Unfunded \$18,500	Impact Fees Unfunded
RO1901	City Street Paving Equipment	\$395,000					Roads	377-342-47205 \$345,000 200-342-47205 \$50,000	City Street Improv Gas Tax - RMRA
RO1902	Pedestrian Improvements at Tennent (Engineering and planning Only) - Bay Trail Gap	\$100,000					Roads	325-342-47205	WCCTAC STMP Fees Grant - Pending
Uses by Project Total		\$9,314,817	\$4,666,850	\$1,570,100	\$1,315,100	\$1,315,100	\$18,181,968	5-Year Total	

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LEGEND:

- Items highlighted in blue are unfunded projects.
- Project numbers highlighted in green indicate a project description sheet is provided.
- Items highlighted in orange indicate a project is carried over from prior fiscal year.
- Items highlighted in purple are new projects, or new funding allocations in FY 2019-20.
- Project numbers: **FA** = Facilities; **PA** = Parks; **SS** = Sanitary Sewer; **SW** = Storm Water; **RO** = Roads.

**Caltrans funded total project cost is \$16.8 million and extends beyond the proposed Plan years.

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Citywide Roof Repairs and Replacement

Description: Roof Repair and Replacement on Building identified by inspection.

Justification: The City hires contract services to repair and/or replace roofs on City Facilities. A comprehensive inspection was performed on all facilities in early 2015. The inspection identified several of the roofs needed to be replaced by the end of FY 2020-21.



Project Number: FA1702

Projected Timing:

Estimated Start Date: July 2020
Estimated End Date: June 2022

Total Estimated Cost:

Planning and Design:
Engineering and Administrative:
Construction: \$412,000
Equipment:
Contingency:
Total: \$ 412,000

Funding Source:

	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Measure S 2014 - 106	-	-	\$272,000	\$140,000	-	-
Total	-	-	\$272,000	\$140,000	-	-

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Fowler House Lot Reuse

Description: Determine reuse of the former Fowler House lot..

Justification: Repurpose the former Fowler House lot for additional parking or recreation.



Project Number: FA1901

Projected Timing:
Estimated Start Date: July 2019
Estimated End Date: June 2020

Total Estimated Cost:
 Planning and Design:
 Engineering and Administrative:
 Construction: \$200,000
 Equipment:
 Contingency:
Total: \$ 200,000

Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Measure S 2014 - 106	-	\$200,000	-	-	-	-
Total	-	\$200,000	-	-	-	-

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Restrooms in Fernandez Park

Description: Replace Restrooms in Fernandez Park

Justification: The existing restroom is beyond its useful life. It has been rehabilitated several times. Currently, the concrete flooring and block walls can no longer be kept clean and odor free. New restroom facilities will provide better accessibility for all park users.



Project Number: PA1708

Projected Timing:

Estimated Start Date: June 2018
Estimated End Date: December 2019

Total Estimated Cost:

Planning and Design:	\$ -
Engineering and Administrative:	\$ 24,205
Construction:	\$ 318,603
Equipment:	\$ -
Contingency:	\$ 15,000
Total:	<u>\$ 357,808</u>

Funding Source:

	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Measure S 2014 - 106	24,205	\$333,603	-	-	-	-
Total	<u>24,205</u>	<u>\$333,603</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Pinole Valley Park Soccer Field Rehabilitation

Description: Rehabilitate Pinole Valley Park soccer field.

Justification: Soccer fields are a high use area of the Pinole Park system and warrant routine rehabilitation to enhance play.



Project Number: PA1901

Projected Timing:
Estimated Start Date: July 2019
Estimated End Date: June 2020

Total Estimated Cost:

Planning and Design:	\$	-
Engineering and Administrative:	\$	-
Construction:	\$	200,000
Equipment:	\$	-
Contingency:	\$	-
Total:	\$	200,000

Funding Source:

	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Measure S 2014 - 106	-	200,000	-	-	-	-
Total	-	200,000	-	-	-	-

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Fernandez Park Baseball Field Rehabilitation

Description: Rehabilitate Fernandez Park baseball field.

Justification: Baseball fields are a high use area of the Pinole Park system and warrant routine rehabilitation to enhance play.



Project Number: PA1902

Projected Timing:
Estimated Start Date: July 2019
Estimated End Date: June 2020

Total Estimated Cost:

Planning and Design:	\$	-
Engineering and Administrative:	\$	-
Construction:	\$	200,000
Equipment:	\$	-
Contingency:	\$	-
Total:	\$	200,000

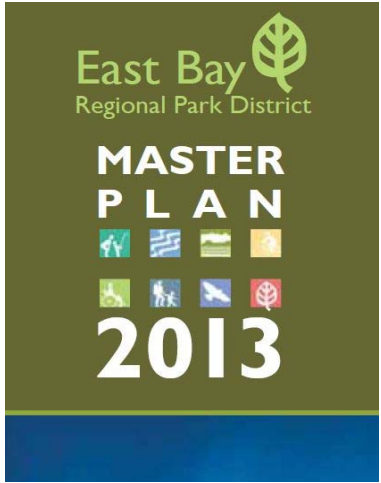
Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Measure S 2014 - 106	-	200,000	-	-	-	-
Total	-	200,000	-	-	-	-

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Prepare Park Master Plan

Description: A master plan for parks will aid the City in developing a strategic approach to park maintenance and operation.

Justification: Master planning allows the City to quantify and qualify the existing park system, identify deficiencies, develop financial analysis of the cost to maintain, operate, and if opportunity arises, expand the park system. Master planning serves can support the City in providing a platform for responding strategically to grants and other opportunities.



Project Number: PA1704

Projected Timing:
Estimated Start Date: July 2021
Estimated End Date: June 2022

Total Estimated Cost:

Planning and Design:	\$ 55,000
Engineering and Administrative:	
Construction:	
Equipment:	
Contingency:	
Total:	\$ 55,000

Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Unfunded	-	-	-	\$55,000	-	-
Total	-	-	-	\$55,000	-	-

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Uniform Park Signage

Description: Develop a uniform signage approach to all parks including linear parks. Upgrade signs throughout park

Justification: Signage throughout the park system has evolved over time to a patchwork of effective by plain and sometimes aging signage. Recent activities in the area of Pinole Creek has illustrated that signage is a desirable component of the park system. Friends of Pinole Creek has expressed a desire for very artistic signage. A unified approach is also



Project Number: PA1710

Projected Timing:
Estimated Start Date: July 2021
Estimated End Date: June 2022

Total Estimated Cost:
Planning and Design:
Engineering and Administrative:
Construction: \$ 35,000
Equipment:
Contingency:
Total: \$ 35,000

Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Unfunded	-	-	-	\$35,000	-	-
Total	-	-	-	\$35,000	-	-

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**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Sewer Pump Station Rehabilitation

Description: Perform an overall assessment of the two sewer pump stations. Address issues identified by the assessment including improvements to the structure and controls at Hazel Street to facilitate construction on a through road.

Justification: Both the existing pump stations have reached the end of their useful life and need to be rehabilitated.



Project Number: SS1702

Projected Timing:
Estimated Start Date: October 2018
Estimated End Date: August 2020

Total Estimated Cost:

Planning and Design:	\$ 22,500
Engineering/Administrative:	\$ 150,000
Construction:	\$ 884,000
Equipment:	\$ -
Contingency:	\$ 143,500
Total:	\$ 1,200,000

Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Sewer Enterprise Fund- 500	-	\$1,000,000	\$200,000	-	-	-
Total	-	\$1,000,000	\$200,000	-	-	-

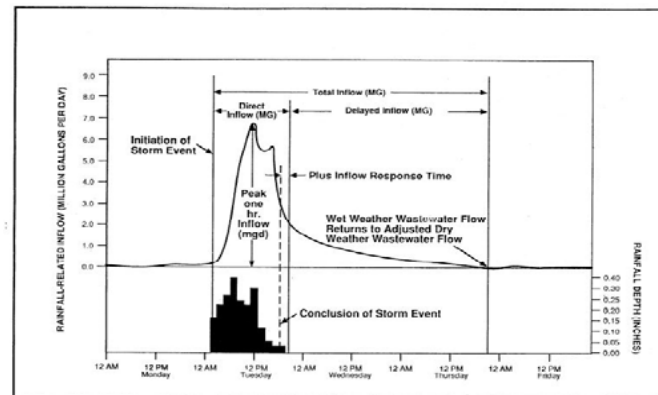
**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Inflow and Infiltration Monitoring Program

Description: Additional focused monitoring and testing of the sewer collection system to refine work efforts.

Justification: The August 2015 I/I Study recommended that monitoring during storm events be conducted to pinpoint projects for focused improvement to mitigate storm water inflow.

Project Number: SS1703



Projected Timing:
Estimated Start Date: July 2019
Estimated End Date: June 2020

Total Estimated Cost:

Planning and Design:	\$ 60,000
Engineering and Administrative:	\$ -
Construction:	\$ -
Equipment:	\$ -
Contingency:	\$ -
Total:	\$ 60,000

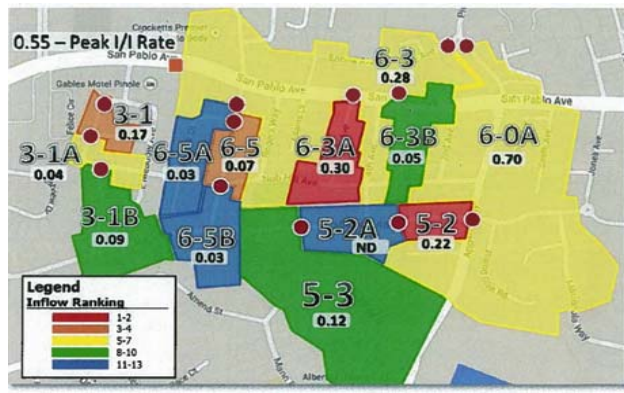
Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Sewer Enterprise Fund- 500	-	\$60,000	-	-	-	-
Total	-	\$60,000	-	-	-	-

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Inflow and Infiltration Rehabilitation Program; Basin 3.1

Description: Improvements to the collection system, Target location Basin 3.1, to reduce inflow and infiltration (I/I).

Justification: Pinole has fairly high I/I rates within the sewer collection system resulting from storm water inflow and infiltration. Targeted improvements to the wastewater collection system can reduce treatment cost and free capacity for expanded uses. Studies have already targeted several areas of the collection system that warrant improvements.



Project Number: SS1704

Projected Timing:
Estimated Start Date: July 2019
Estimated End Date: June 2020

Total Estimated Cost:

Planning and Design:	\$	-
Engineering and Administrative:	\$	30,000
Construction:	\$	300,000
Equipment:	\$	-
Contingency:	\$	20,000
Total:	\$	350,000

Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Sewer Enterprise Fund- 500	-	\$350,000	-	-	-	-
Total	-	\$350,000	-	-	-	-

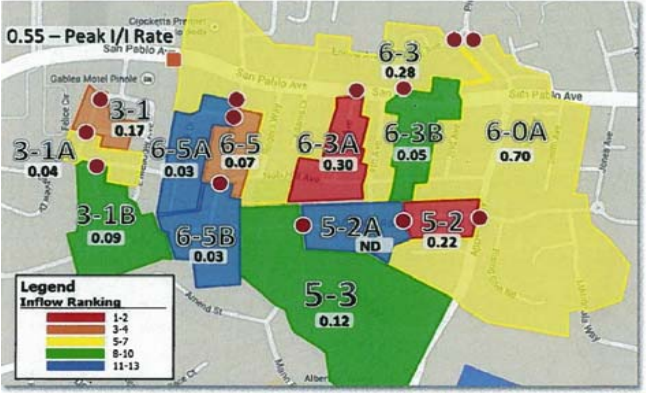
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**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Inflow and Infiltration Rehabilitation Program; Basin 5.2 and 6.5

Description: Improvements to the collection system, Basin 5.2 and 6.5 to reduce storm water inflow.

Justification: Pinole has fairly high inflow rates within the sewer collection system resulting from storm water inflow. Targeted improvements to the wastewater collection system can reduce treatment cost and free capacity for expanded uses. Studies have already targeted several areas of the collection system that warrant improvements.



Project Number: SS1705

Projected Timing:
Estimated Start Date: July 2019
Estimated End Date: June 2020

Total Estimated Cost:

Planning and Design:	\$ -
Engineering and Administrative:	\$ 30,000
Construction:	\$ 300,000
Equipment:	\$ -
Contingency:	\$ 20,000
Total:	\$ 350,000

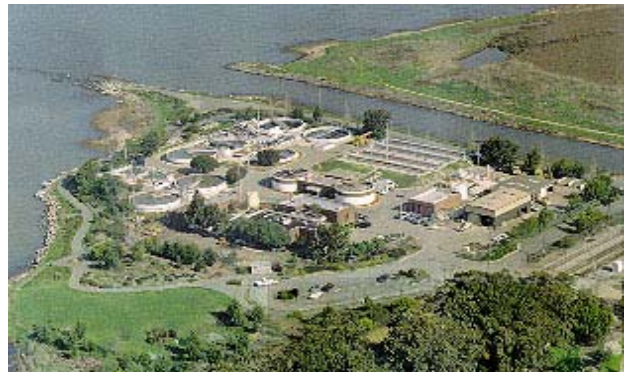
Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Sewer Enterprise Fund- 500	-	\$350,000	-	-	-	-
Total	-	\$350,000	-	-	-	-

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**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Pinole-Hercules Water Pollution Control Plant Upgrade

Description: Complete upgrade to the Pinole Hercules Water Pollution Control Plant.



Justification: The upgrade is necessary for operational improvements and permit compliance.

Project Number: SS1707

Projected Timing:

Estimated Start Date: May 2016

Estimated End Date: December 2019

Total Estimated Cost: *

Planning and Design:	\$ 2,851,789
Engr/Admin:	\$ 5,005,211
Construction:	\$ 43,143,000
Equipment:	\$ -
Contingency:	\$ 3,500,000
Total:	<u>\$ 54,500,000</u>

* 100 % of Project Cost shown, split equally with the City of Hercules

Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Sewer Plant Expansion - 503	\$26,665,191	\$1,250,000	-	-	-	-
Total	<u>\$26,665,191</u>	<u>\$1,250,000</u>	-	-	-	-

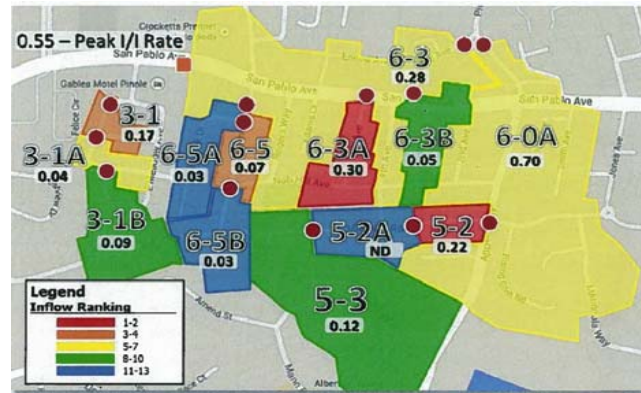
* 50 % Pinole portion only

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Inflow and Infiltration Rehabilitation Project - Unassigned

Description: Annual improvements to the collection system to reduce storm water inflow.

Justification: Pinole has fairly high inflow rates within the sewer collection system resulting from storm water inflow. Targeted improvements to the wastewater collection system are expected by the Regional Water Quality Control Board (RWQCB). Further study will aid prioritizing and targeting areas of the collection system that warrant improvements.



Project Number: SS1801

Projected Timing:

Estimated Start Date: July 2019
Estimated End Date: June 2020

Total Estimated Cost:

Planning and Design:	\$ -
Engineering and Administrative:	\$ 30,000
Construction:	\$ 300,000
Equipment:	\$ -
Contingency:	\$ 20,000
Total:	\$ 350,000

Funding Source:

	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Sewer Enterprise Fund- 500	-	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000
Total	-	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Rodeo Outfall Project

Description: Rodeo Sanitation District needs to replace the outfall valve, clean the outfall diffusers, and restore the cathodic protection system.

Justification: Rodeo Sanitation operates and maintains a deep water outfall which is used by Pinole-Hercules WPCP. The outfall was recently inspected as required by the facility permit. The inspection report states this work is needed. There is a pre-established cost sharing agreement.

Project Number: SS1802



Projected Timing:
Estimated Start Date: July 2018
Estimated End Date: June 2020

Total Estimated Cost:

Planning and Design:	\$ 24,234
Engineering/Administrative:	\$ -
Construction:	\$ 193,874
Equipment:	\$ -
Contingency:	\$ 24,234
Total*:	\$ 242,342

* Total cost is expected to be \$318,000: Split as follows (Pinole/Hercules)/Rodeo - (\$137,603/\$104,739)/\$75,659. Pinole will bill Hercules for their portion.

Funding Source:	Prior Actual	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed	FY 2024-25 Proposed
Sewer Enterprise Fund- 500	-	\$242,342	-	-	-	-
Total	-	\$242,342	-	-	-	-

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Annual Stormwater Collection System Rehabilitation

Description: Rehabilitate existing stormwater collection system components to perform to current standards.

Justification: The existing system requires ongoing maintenance and rehabilitation. In some cases, additional capacity is needed. Failures or losses within the system can lead to other maintenance issues such as eroding embankments, and weakened roadways.



Project Number: SW1702

Projected Timing:

Estimated Start Date: Annual
Estimated End Date: Ongoing

Total Estimated Cost:

Planning and Design:	
Engineering and Administrative:	\$ 45,000
Construction:	\$ 360,000
Equipment:	
Contingency:	<u>\$ 45,000</u>
Total:	<u>\$ 450,000</u>

Funding Source:

	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Measure S 2014 - 106		\$0	\$0	\$150,000	\$150,000	\$150,000
Total	-	\$0	\$0	\$150,000	\$150,000	\$150,000

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

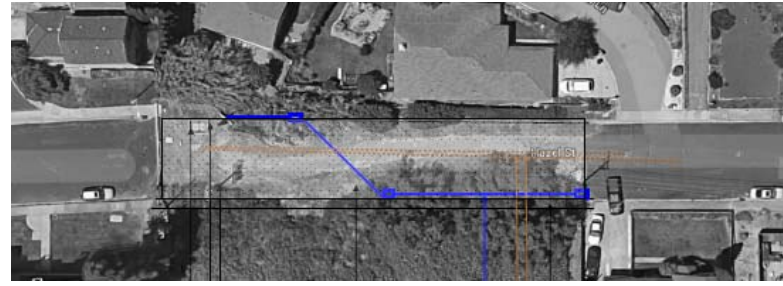
Project: Hazel Street Storm Drainage Improvements

Description: Convert existing stormwater collection open channel to underground pipe and add drainage

Justification: The existing system is an open trench and needs to be converted to an underground conveyance system to facilitate construction of a through road. Converting the system to underground also aids in compliance with the MSP4 by reducing the potential of contaminants including litter from entering the stormwater system.

Project Number: SW1901

Projected Timing:
Estimated Start Date: July 2019
Estimated End Date: June 2020



Total Estimated Cost:

Planning and Design:	
Engineering and Administrative:	\$ 20,000
Construction:	\$ 160,000
Equipment:	
Contingency:	\$ 20,000
Total:	<u>\$ 200,000</u>

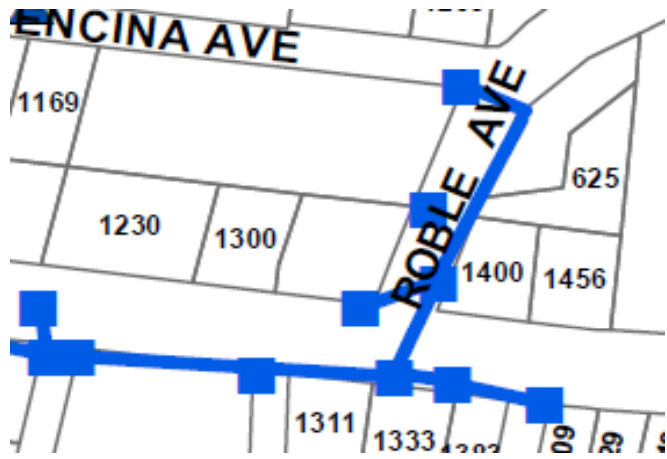
Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Measure S 2014 - 106	-	\$192,000	-	-	-	-
Growth Impact Fees - 276	-	\$8,000	-	-	-	-
Total	-	<u>\$200,000</u>	-	-	-	-

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Roble Road Storm Drainage Improvements

Description: Assess collection system at Roble and Encina for capacity and hydraulic profile and upgrade system as warranted.

Justification: The existing system appears to have capacity issues that warrant review and upgrade.



Project Number: SW2001

Projected Timing:
Estimated Start Date: July 2020
Estimated End Date: June 2021

Total Estimated Cost:

Planning and Design:	
Engineering and Administrative:	\$ 20,000
Construction:	\$ 160,000
Equipment:	
Contingency:	\$ 20,000
Total:	\$ 200,000

Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Growth Impact Fees - 276		-	\$200,000	-	-	-
*Unfunded						
Total	-	-	\$200,000	-	-	-

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1-21

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Adobe Road Storm Drainage Improvements

Description: Install culvert. Regrade area and restore road surface.

Justification: Adobe Road experienced a failure due to drainage impacts. The drainage in the area needs to be controlled to allow the road to be rebuilt.



Project Number: SW2002

Projected Timing:
Estimated Start Date: July 2020
Estimated End Date: June 2021

Total Estimated Cost:
Planning and Design:
Engineering and Administrative: \$ 15,000
Construction: \$ 120,000
Equipment:
Contingency: \$ 15,000
Total: \$ 150,000

Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Measure S 2014 - 106	-	-	\$150,000	-	-	-
Total	-	-	\$150,000	-	-	-

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1-22

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Storm Drainage Master Plan

Description: Prepare a storm drainage master plan

Justification: 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.

Project Number: SW1703

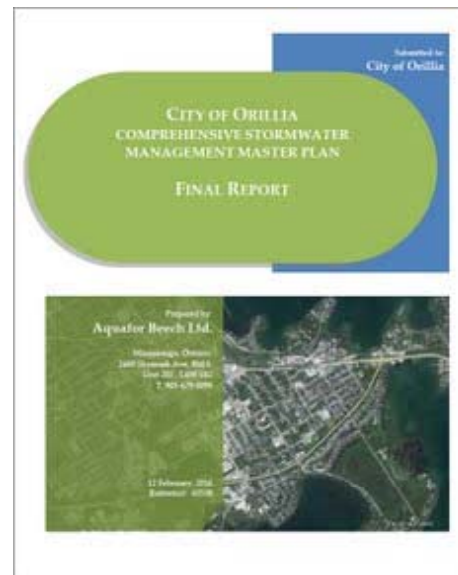
Projected Timing:

Estimated Start Date: July 2019

Estimated End Date: June 2022

Total Estimated Cost:

Planning and Design:	\$ 75,000
Engineering and Administrative:	\$ -
Construction:	\$ -
Equipment:	\$ -
Contingency:	\$ -
Total:	<u>\$ 75,000</u>



Funding Source:

	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Measure S 2014 - 106		\$25,000	\$25,000	\$25,000		
Total	<u>-</u>	<u>\$25,000</u>	<u>25,000</u>	<u>25,000</u>	<u>-</u>	<u>-</u>

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Pavement Maintenance and Rehabilitation Program

Description: Routine Road Maintenance Program limited to funds

Justification: The Pavement Management Report completed March 2019 provides a Pavement Condition Index (PCI) for most roads within Pinole of 67. The Report helps identify roads, that because of their PCI, should receive pavement maintenance or rehabilitation with the intent of extending the useful life of the road. Funding availability is limited and insufficient to adequately maintain the PCI of the entire existing road system.



Project Number:	RO1707	2018-19 SB1 Projects:	Residential Slurry Seal - \$136,328 Residential Rehabilitation - \$200,100
Projected Timing:		2019-20 SB1 Projects:	Residential Slurry Seal - \$125,000 Residential Rehabilitation - \$201,719
Estimated Start Date:	Annual	2019-20 General Projects:	Pavement Maintenance and Rehabilitation - \$1,769,776
Estimated End Date:	Annual		

Total Estimated Cost:

Planning and Design:	\$ 683,199
Engineering and Administrative:	\$ 170,800
Construction:	\$ 4,156,126
Equipment:	\$ -
Contingency:	\$ 683,199
Total:	\$ 5,693,323

Funding Source:

	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
City Street Improvements - 325 *	\$39,095	\$899,786	\$250,000	\$250,000	\$250,000	\$250,000
Arterial Street Rehab - 377 *	\$1,302	\$796,019	\$250,000	\$250,000	\$250,000	\$250,000
Gas Tax (RMRA/SB1 Funds) - 200 **	\$1,408	\$737,118	\$315,100	\$315,100	\$315,100	\$315,100
Total	\$41,804	\$2,432,923	\$815,100	\$815,100	\$815,100	\$815,100

* Original funding source is Measure S 2014

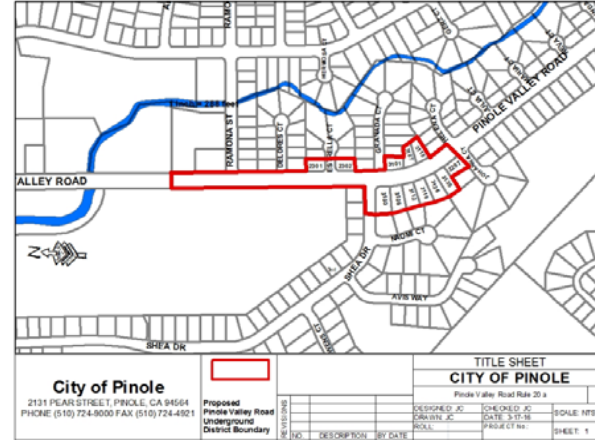
** RMRA/SB1 funding is estimated pending confirmation of actual sources available. Project size will be adjusted to match funding available.

City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24

Project: Pinole Valley Road Underground District

Description: Undergrounding utilities on Pinole Valley Road to complement the Pinole Valley High School Project.

Justification: The underground district will allow the City of Pinole to use Rule 20A credits, funds paid by PG&E to the PUC, to underground overhead utility lines. As part of the underground project, the City will need to add a streetlight that must be funded outside the Rule20A program. The project will be coordinated



Project Number: RO1709

Projected Timing:

Estimated Start Date: 2017
Estimated End Date: 2020

Total Estimated Cost:

Planning and Design:	\$ 11,022
Engineering and Administrative:	\$ 130,000
Utility Construction:	\$ 1,300,000
Equipment:	\$ -
Contingency:	\$ 130,000
Total:	\$ 1,571,022

Funding Source:

	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Rule 20A Credits	-	-	\$1,560,000	-	-	-
Gas Tax - 200	-	-	\$5,750	-	-	-
Measure J - 215	\$315,552	-	-	-	-	-
Total	\$315,552	-	\$1,565,750	-	-	-

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Pinole Valley Road Improvements

Description: Improvements on Pinole Valley Road at completion of Pinole Valley High School construction.

Justification: As part of the high school construction project WCCUSD will provide road improvements along the school frontage. Improvements to Pinole Valley Road - from Shea to Granada - will extend the useful life of the pavement. The existing pavement score is high in this area, so a slurry seal would be the recommended treatment.



Project Number: RO1708

Projected Timing:
Estimated Start Date: 2020
Estimated End Date: 2020

Total Estimated Cost:

Planning and Design:	\$ -
Engineering and Administrative:	\$ 5,000
Construction:	\$ 87,000
Equipment:	\$ -
Contingency:	\$ 8,000
Total:	\$ 100,000

Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Gas Tax - 200	-	\$50,000	\$50,000	-	-	-
Total	-	\$50,000	\$50,000	-	-	-

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: San Pablo Avenue Bridge over BNSF Railroad

Description: Replace San Pablo Avenue Bridge (Bridge # 28C0062)

Justification: The San Pablo Avenue Bridge is an integral part of the area's transportation system. The age of the bridge and the condition assessment support replacement. Further, the existing bridge does not meet the current standards for pedestrian access. Caltrans has placed the Bridge in their funding plan and programmed \$879,103 in funding for 88.5% of the design and environmental cost. The estimated cost for the bridge replacement has increased to \$37,775,600. We have reapplied for additional funding and are awaiting a revised budget allocation of 88.5% of the overall cost. This project is partially funded by the CCTA TLC Program.

Project Number: RO1710

Projected Timing:
Estimated Start Date: 2017
Estimated End Date: Beyond 5 year term



Total Estimated Cost:

Planning and Design:	\$ 2,522,000
EDC and Administrative:	\$ 3,766,350
Construction:	\$ 25,110,000
R/W	\$ 100,000
Contingency:	\$ 6,277,250
Total:	\$ 37,775,600

Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-2021 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed	Beyond Proposed
City Street Improvements - 325 *	\$ 43,247	\$ 50,000	-	-	-	-	\$407,000
State Contribution	-	\$ 879,103	\$ 1,642,897	-	-	-	\$30,889,853
Measure J (TLC) - 215 *	-	\$ 70,650	\$ 224,103	-	-	-	\$93,247
Other (funding shortfall)	-	-	-	-	-	-	\$6,385,500
Total	\$43,247	\$999,753	\$1,867,000	-	-	-	\$37,775,600

* Funding in the amount of \$388,000 is expected from the CCTA TLC Program.

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: HAWK at Appian and Marlesta

Description: Install a **High-Intensity Activated Cross Walk (HAWK) Beacon**

Justification: The intersection of Appian and Marlesta experiences high traffic volumes that can be hazardous for pedestrians. As a result, a HAWK, or High Intensity Activated Cross Walk Beacon, will increase pedestrian visibility and safety. This project is partially funded by the CCTA TLC Program.



Project Number: RO1714

Projected Timing:
Estimated Start Date: 2017
Estimated End Date: June 2020

Total Estimated Cost:

Planning and Design:	\$	-
Engineering and Administrative:	\$	15,600
Construction:	\$	109,000
Equipment:	\$	-
Contingency:		
Total:	\$	124,600

Funding Source:	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
City Street Improvements - 325 *	\$ 4,600	-	-	-	-	-
Measure J (TLC) - 215 *	-	\$ 120,000	-	-	-	-
Total	\$ 4,600	\$ 120,000	-	-	-	-

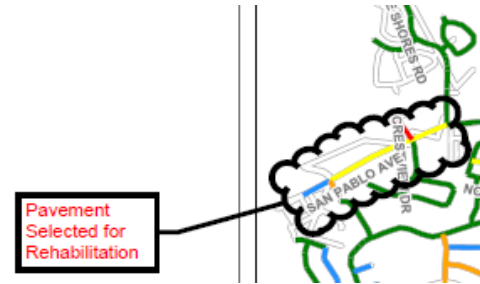
* Funded \$120,000 by the CCTA TLC Program.

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: San Pablo Avenue Rehabilitation

Description: Cold mill 2 1/2 inches of asphalt concrete pavement and replace with new HMA, reconstruct ~12 curb ramps, replaced damaged sidewalk, and close sidewalk gap.

Justification: The Pavement Management Report completed March 2019 provides a Pavement Condition Index (PCI) for most roads within Pinole of 62; a decrease from 70 in January of 2016. The Report helps arterials to be rehabilitated using the "Fix it First" approach. Due to the importance of San Pablo Avenue as an arterial, it is desirable to maintain the PCI at a minimum of 70. Currently, the average PCI on San Pablo Avenue is 67.



Project Number: RO1801

Projected Timing:

Estimated Start Date: 2020
Estimated End Date: 2021

Total Estimated Cost:

Planning and Design:	\$ -
Engineering and Administrative:	\$ -
Construction:	\$ 662,000
Equipment:	\$ -
Contingency:	\$ -
Total:	\$ 662,000

Funding Source:

	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
City Street Improvements - 325	-	-	\$76,000	-	-	-
Measure J (OBAG 2) - 215 *	-	-	\$586,000	-	-	-
Total	-	-	\$662,000	-	-	-

* Funded \$586,000 by the CCTA OBAG 2 Program.

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: City Street Patching Equipment

Description: Purchase equipment for City crews to use to patch asphalt pavement throughout the City. Equipment to include skid steer loader with attachments, crack sealing equipment, and asphalt patching truck equipped with features to facilitate maintenance activities.

Justification: Equipment acquisition will enable the City Public Works maintenance crews to self perform crack sealing and patch paving for residential and arterial streets more frequently than our current maintenance model of contracting out for patch paving.



Project Number: RO1901

Projected Timing:
Estimated Start Date: 2019
Estimated End Date: 2020

Total Estimated Cost:

Planning and Design:	\$	-
Engineering and Administrative:	\$	-
Construction:	\$	-
Equipment:	\$	395,000
Contingency:	\$	-
Total:	\$	395,000

Funding Source:

	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
Gas Tax (RMRA/SB1 Funds) - 200	-	\$ 50,000	-	-	-	-
City Street Improvements - 377	-	\$ 345,000	-	-	-	-
Total	-	\$ 395,000	-	-	-	-

**City of Pinole
Capital Improvement Plan
Fiscal Years 2019-20 through 2023-24**

Project: Pedestrian Improvements at Tennent near RxR

Description: Improvements to Tennent Avenue at the Railroad Crossing to facilitate the movement of bicycles and pedestrians adjacent to vehicle traffic.

Justification: The Bay Trail project recently finished by EBRPD nearly connects the Bay Trail through Pinole. There remains one very small gap on Tennent Avenue from Bayfront Park to Railroad Avenue. This area currently consists of asphalt paving with additional width for pedestrians. This project will improve the crossing controls.



Project Number: RO1902

Projected Timing:

Estimated Start Date: 2019
Estimated End Date: 2020

Total Estimated Cost:

Planning and Design:	\$ 50,000
Engineering and Administrative:	\$ 50,000
Construction:	\$ -
Equipment:	\$ -
Contingency:	\$ -
Total:	\$ 100,000

Funding Source:

	Prior Actual	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed	FY 2022-23 Proposed	FY 2023-24 Proposed
WCCTAC STMP Fees	-	\$ 100,000	-	-	-	-
Total	-	\$ 100,000	-	-	-	-