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## **CAPTIAL IMPROVEMENT PLAN**

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### **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:**

- Tiny Tots Building: Siding and partial Exterior Painting
- Replaced Flooring in City Facilities
- Senior Center Keyless Entry and Minor Improvements
- Swim Center Shower Improvements
- Replaced Park Tables and Benches at Pinole Valley Park
- Replaced Storage Building and Improvements at 651 Pinole Shores Drive – Phase 1
- Sidewalk Maintenance

### **Key Objectives**

#### **Facility Maintenance: Citywide Roof repairs and replacement**

- Funding: Measure S 2014

#### **Parks: Replace Restrooms in Fernandez Park**

- Funding: Measure S 2014

#### **Sewer Collection: Inflow and Infiltration Monitoring Program**

- Funding: Sewer Enterprise fund

#### **Sewer Treatment: Upgrades to Wastewater Treatment Plant**

- Funding: Sewer Plant Expansion fund

#### **Streets and Roadways: Pavement Maintenance and Rehabilitation Program**

- Funding: City Street Improvements and Arterial Street Rehabilitation funds



# **City of Pinole** **Adopted FY 2017-18 through 2021-22** **Five-Year Capital Improvement Plan**

SOURCES BY FUND	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	5-Year Total
Measure S 2014 - 106	662,697	389,000	328,000	410,000	220,000	\$ 2,009,697
Gas Tax - 200	221,627	372,613	472,613	372,613	372,613	\$ 1,812,079
AB 939 Refuse Management - 213	445,000	-	-	-	-	\$ 445,000
Measure J - 215	46,253	30,000	30,000	109,000	30,000	\$ 245,253
Parkland Dedication - 275	15,509	-	-	-	-	\$ 15,509
Pinole Valley Park - 316	21,715	-	-	-	-	\$ 21,715
Public Facilities - 324	85,000	60,000	60,000	60,000	60,000	\$ 325,000
City Street Improvements - 325	852,194	222,470	359,000	836,000	250,000	\$ 2,519,664
Park Grants - 327	24,491	-	-	-	-	\$ 24,491
2014 Arterial Street Rehab - 377	596,019	200,000	250,000	250,000	250,000	\$ 1,546,019
Sewer Enterprise - 500	535,000	472,500	1,387,000	350,000	350,000	\$ 3,094,500
Sewer Plant Expansion - 503	18,260,300	13,982,245	-	-	-	\$ 32,242,545
<b>Sources Total</b>	<b>21,765,805</b>	<b>15,728,828</b>	<b>2,886,613</b>	<b>2,387,613</b>	<b>1,532,613</b>	<b>\$ 44,301,472</b>
<b>Unfunded Total</b>	<b>279,000</b>	<b>550,000</b>	<b>90,000</b>	<b>-</b>	<b>-</b>	<b>\$ 919,000</b>
<b>Total Sources Required</b>	<b>\$ 22,044,805</b>	<b>\$ 16,278,828</b>	<b>\$ 2,976,613</b>	<b>\$ 2,387,613</b>	<b>\$ 1,532,613</b>	<b>\$ 45,220,472</b>

5-Year Total

PRJ #	USES BY PROJECT	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	Budget Unit	Account #	Funding Source	Candidate for Stormwater Green Infrastructure
FA1701	Annual Building Rehabilitation/Major Repair Projects	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	Facilities	324-343-47201	Facilities Fund	No
FA1702	Citywide Roof repairs and replacement		\$164,000	\$108,000	\$140,000		Facilities	106-343-47201	Measure S 2014	No
FA1703	Paint City Hall (Inside and Outside)	\$35,000	\$35,000				Facilities	106-343-47201	Measure S 2014	No
FA1706	Replace HVAC at Senior Center	\$60,000					Facilities	106-343-47201	Measure S 2014	No
FA1707	Replace Roof at Senior Center	\$50,000					Facilities	106-343-47201	Measure S 2014	No
FA1711	Tiny Tots Building Slab Displacement - Engineering Only	\$5,000					Facilities	106-343-47201	Measure S 2014	No
FA1712	2548 Charles Ave. Repurposing (Fowler House)	\$25,000					Facilities	324-343-47201	Facilities Fund	No
FA1801	Replace HVAC at City Hall	\$60,000					Facilities		Unfunded	No
PA1701	Annual Soccer Field Maintenance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	Parks	106-345-47203	Measure S 2014	Yes
PA1702	Maintenance Caretaker Structure	\$21,715					Parks	316-345-47201	Pinole Vly Park Fund	No
PA1703	Park Funding for Benches and Picnic tables	\$5,000	\$5,000				Parks	106-345-47203	Measure S 2014	No



# City of Pinole Adopted FY 2017-18 through 2021-22 Five-Year Capital Improvement Plan

PRJ #	USES BY PROJECT	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	Budget Unit	Account #	Funding Source	Candidate for Stormwater Green Infrastructure
PA1704	Prepare a Park Master Plan			\$55,000			Parks		Unfunded	Yes
PA1705	Rehabilitation of Play Fields at Fernandez Park	\$40,000					Parks	275-345-47203 \$15,509 327-345-47203 \$24,491	Park Impact/Grants	Yes
PA1706	Replace Chips with Rubber Matting at select park locations	\$50,000			\$50,000		Parks	106-345-47203	Measure S 2014	Yes
PA1707	Replace Lighting at Louis Francis Park		\$40,000				Parks	106-345-47203	Measure S 2014	No
PA1708	Restrooms in Fernandez Park	\$170,000					Parks	106-345-47203	Measure S 2014	Yes
PA1709	Senior Center Parking Lot Pavement Maintenance	\$30,000					Parks	106-345-47203	Measure S 2014	No
PA1710	Uniform Park Signage			\$35,000			Parks		Unfunded	No
SS1701	Evaluation of Land Outfall - Engineering Only	\$75,000	\$0	\$0	\$0		Sewer Treatment	500-643-42101	Sewer Enterprise	No
SS1702	Hazel Street Sewer Pump Station Rehabilitation	\$50,000	\$122,500	\$1,037,000	\$0		Sewer Collection	500-642-47201	Sewer Enterprise	No
SS1703	Inflow and Infiltration Monitoring Program	\$60,000	\$0	\$0	\$0		Sewer Collection	500-642-42101	Sewer Enterprise	No
SS1704	Inflow and Infiltration Rehabilitation Program; Basin 3.1	\$350,000	\$0	\$0	\$0		Sewer Collection	500-642-47201	Sewer Enterprise	No
SS1705	Inflow and Infiltration Rehabilitation Program; Basin 5.2 and 6.5	\$0	\$350,000	\$0	\$0		Sewer Collection	500-642-47201	Sewer Enterprise	No
SS1706	Storage Building and Improvements (651 Pinole Shores Dr.)	\$45,000	\$0	\$0	\$0		Sewer Treatment	503-643-47201	Sewer Expansion	Yes
SS1707	Upgrades to Wastewater Treatment Plant	\$18,215,300	\$13,982,245	\$0	\$0		Sewer Treatment	503-643-47201	Sewer Expansion	No
SS1801	Annual Inflow and Infiltration Rehabilitation Project			\$350,000	\$350,000	\$350,000	Sewer Collection	500-642-47201	Sewer Enterprise	No
SW1701	Install Trash Capture Devices	\$95,000					Stormwater	213-344-47101	Refuse Management	Yes
SW1702	Storm Drainage Annual Rehabilitation	\$75,000	\$75,000	\$150,000	\$150,000	\$150,000	Stormwater	106-344-47206	Measure S 2014	Yes
SW1703	Storm Drainage Master Plan	\$75,000					Stormwater	106-344-42101	Measure S 2014	Yes
SW1801	Street Sweeper	\$350,000					Stormwater	213-344-47101	AB 939 Refuse Mgmt	Yes
RO1701	Annual Miscellaneous Roadway Repair	\$29,253	\$15,000	\$15,000	\$15,000	\$15,000	Roads	215-343-47205	Measure J	No
RO1702	Annual Pothole Repair Program	\$80,000	\$40,000	\$40,000	\$40,000	\$40,000	Roads	200-343-47205	Gas Tax	No
RO1703	Annual Roadway Striping Program	\$30,000	\$15,000	\$15,000	\$15,000	\$15,000	Roads	200-343-47205	Gas Tax	No
RO1704	Annual Sidewalk Maintenance Program	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	Roads	106-343-47204 \$20,000 215-343-47204 \$15,000	Measure S 2014 & Measure J	No
RO1705	Annual Sign Replacement Program	\$40,947	\$20,000	\$20,000	\$20,000	\$20,000	Roads	106-343-47202 \$38,947 215-343-47202 \$2,000	Measure S 2014 & Measure J	No



# City of Pinole Adopted FY 2017-18 through 2021-22 Five-Year Capital Improvement Plan

PRJ #	USES BY PROJECT	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	Budget Unit	Account #	Funding Source	Candidate for Stormwater Green Infrastructure
RO1706	Annual Tree Trimming Program	\$38,750	\$20,000	\$20,000	\$20,000	\$20,000	Roads	106-343-47202	Measure S 2014	No
RO1707	Pavement Maintenance and Rehabilitation Program	\$1,406,663	\$717,613	\$817,613	\$817,613	\$817,613	Roads	325-343-47205 \$500k 377-343-47205 \$350k, 200-343-47205 \$105,877	City Street Improv/Art Rehab/Gas Tax-RMRA	No
RO1708	Pinole Valley Road Improvements			\$100,000			Roads	200-343-47205	Gas Tax	No
RO1709	Pinole Valley Road Underground District	\$5,750					Roads	200-343-47205	Gas Tax	No
RO1710	San Pablo Avenue Bridge over BNSF Railroad	\$147,427	\$11,470				Roads	325-343-47205	CCTA OBAG 2 Grant	Yes
RO1712	Shale Hill Stabilization		\$550,000				Roads		Unfunded	Yes
RO1713	Sharrow Pavement Markings	\$19,000					Roads		Unfunded	No
RO1714	HAWK at Appian Way and Marlesta	\$0	\$11,000	\$109,000	\$0		Roads	325-343-47205	CCTA OBAG 2 Grant	No
RO1801	San Pablo Avenue Rehabilitation	\$0	\$0	\$0	\$665,000		Roads	325-343-47205 \$586,000 215-343-47205 \$79,000	CCTA OBAG 2 Grant/Measure J	No
RO1802	Hazel Street Gap Closure (Sunnyview)	\$200,000	\$0	\$0	\$0		Roads		Unfunded	No

Uses by Project Total

**\$22,044,805    \$16,278,828    \$2,976,613    \$2,387,613    \$1,532,613    \$45,220,472**

5-Year Total

## LEGEND:

- Items highlighted in blue are new projects, unfunded projects or new funding allocations in FY 2021-22.
- Project numbers highlighted in green indicate a project description sheet is provided.
- Items highlighted in orange indicate a project is carried over from FY 2016-17.
- Project numbers: **FA** = Facilities; **PA** = Parks; **SS** = Sanitary Sewer; **SW** = Storm Water; **RO** = Roads.

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**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: 2018  
Estimated End Date: 2021

**Total Estimated Cost:**

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

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Measure S 2014 - 106	-	-	\$164,000	\$108,000	\$140,000	-
	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>\$164,000</b>	<b>\$108,000</b>	<b>\$140,000</b>	<b>-</b>

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**Project:** 2548 Charles Avenue Repurposing (Fowler House)

**Description:** Remove City Owned Residential Unit and Replace with New Facility/Amenity.

**Justification:** The City intends to demolish the Fowler House and will seek another use for the property. Effectively, phase 1 of work is for the demolition only. The future use of this site is still to be determined and will be completed in a second phase.

**Project Number:** FA1712

**Projected Timing:**

**Estimated Start Date:** 2017  
**Estimated End Date:** 2020



**Total Estimated Cost:**

Planning and Design:	TDB
Engineering and Administrative:	TDB
Demolition:	\$25,000
Construction:	TDB
Contingency:	TDB
<b>Total (Phase 1 only):</b>	<b>\$ 25,000</b>

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Public Facilities Fund - 324	-	\$25,000				
Funding Source to be determined	-	-	-	-	-	-
<b>Total</b>	-	<b>\$25,000</b>	-	-	-	-

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**Project:** Annual Soccer Field Maintenance

**Description:** Soccer Field annual rehabilitation

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

**Project Number:** PA1701

**Projected Timing:**

**Estimated Start Date:** Annually

**Estimated End Date:** Annually



**Total Estimated Cost:**

Planning and Design:	\$ -
Engineering and Administrative:	\$ -
Construction:	\$ 50,000
Equipment:	\$ -
Contingency:	\$ -
<b>Total:</b>	<b>\$ 50,000</b>

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Measure S 2014 - 106		\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
<b>Total</b>	<b>-</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$10,000</b>

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**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.

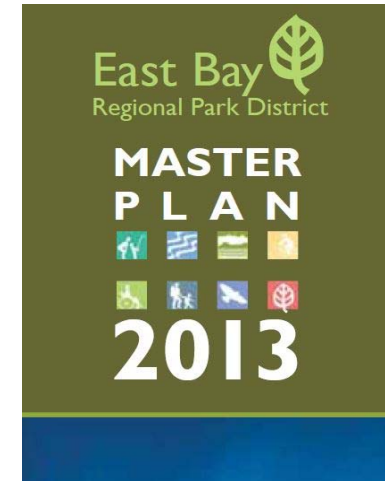
**Project Number:** PA1704

**Projected Timing:**

Estimated Start Date: 2019  
Estimated End Date: 2020

**Total Estimated Cost:**

Planning and Design:	\$ 55,000
Engineering and Administrative:	
Construction:	
Equipment:	
Contingency:	
<b>Total:</b>	<b>\$ 55,000</b>



<b>Funding Source:</b>	<b>Prior Actual</b>	<b>FY 2017-18 Proposed</b>	<b>FY 2018-19 Proposed</b>	<b>FY 2019-20 Proposed</b>	<b>FY 2020-21 Proposed</b>	<b>FY 2021-22 Proposed</b>
Unfunded	-	-	-	\$55,000	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$55,000</b>	<b>-</b>	<b>-</b>



**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**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: 2017  
Estimated End Date: 2018

**Total Estimated Cost:**

Planning and Design:	\$	-
Engineering and Administrative:	\$	10,000
Construction:	\$	154,000
Equipment:	\$	-
Contingency:	\$	6,000
<b>Total:</b>	<b>\$</b>	<b>170,000</b>

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Measure S 2014 - 106	-	\$170,000	-	-	-	-
<b>Total</b>	<b>-</b>	<b>\$170,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**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 desirable.



**Project Number:** PA1710

**Projected Timing:**

**Estimated Start Date:** 2017  
**Estimated End Date:** 2018

**Total Estimated Cost:**

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

<b>Funding Source:</b>	<b>Prior Actual</b>	<b>FY 2017-18 Proposed</b>	<b>FY 2018-19 Proposed</b>	<b>FY 2019-20 Proposed</b>	<b>FY 2020-21 Proposed</b>	<b>FY 2021-22 Proposed</b>
Unfunded	-	-	-	\$35,000	-	-
<b>Total</b>	<u>-</u>	<u>-</u>	<u>-</u>	<u>\$35,000</u>	<u>-</u>	<u>-</u>

**City of Pinole**  
**Capital Improvement Plan**  
**Fiscal Years 2017-18 through 2021-22**

**Project:** Evaluation of Land Outfall Hydraulic Capacity

**Description:** Study the outfall piping to determine its current condition and capacity.

**Justification:** During peak wet weather flow, it is imperative that the hydraulic capacity of the outfall be adequate to meet the expectations of the WPCP permit to route effluent to the deep water outfall.

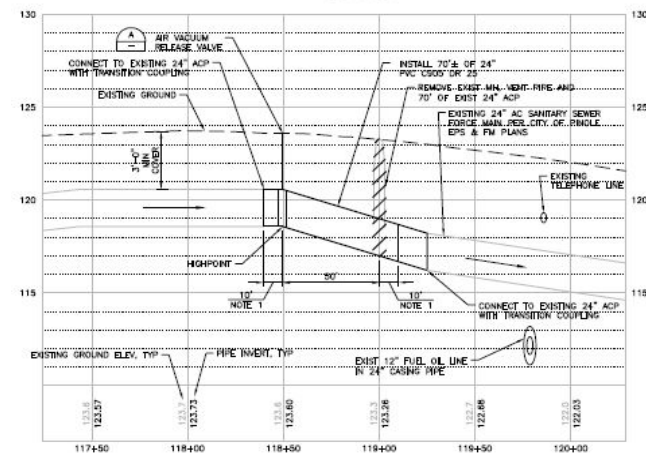
**Project Number:** SS1701

**Projected Timing:**

**Estimated Start Date:** December 2016  
**Estimated End Date:** June 2018

**Total Estimated Cost:**

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



Funding Source:	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Sewer Enterprise Fund- 500	-	\$75,000	-	-	-	-
<b>Total</b>	<b>-</b>	<b>75,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**Project:** Hazel Street Pump Station Rehabilitation

**Description:** Hazel Street Sewer Lift Station pumps wastewater generated in an area of Pinole near Sunnyview Drive because the gravity routing is cost prohibitive.

**Justification:** The existing pump station is operationally deficient, and some components have reached the end of their useful life. Additionally the force main from the lift station needs to be replaced.

**Project Number:** SS1702

**Projected Timing:**

**Estimated Start Date:** October 2018  
**Estimated End Date:** June 2020



**Total Estimated Cost:**

Planning and Design:	\$ 22,500
Engineering/Administrative:	\$ 150,000
Construction:	\$ 884,000
Equipment:	\$ -
Contingency:	\$ 172,500
<b>Total:</b>	<b>\$ 1,229,000</b>

**Funding Source:**

	<b>Prior Actual</b>	<b>FY 2017-18 Proposed</b>	<b>FY 2018-19 Proposed</b>	<b>FY 2019-20 Proposed</b>	<b>FY 2020-21 Proposed</b>	<b>FY 2021-22 Proposed</b>
<b>Sewer Enterprise Fund- 500</b>	\$19,500	\$50,000	\$122,500	\$1,037,000	\$0	\$0
	-	-	-	-	-	-
<b>Total</b>	<b>\$19,500</b>	<b>\$50,000</b>	<b>\$122,500</b>	<b>\$1,037,000</b>	<b>\$0</b>	<b>\$0</b>

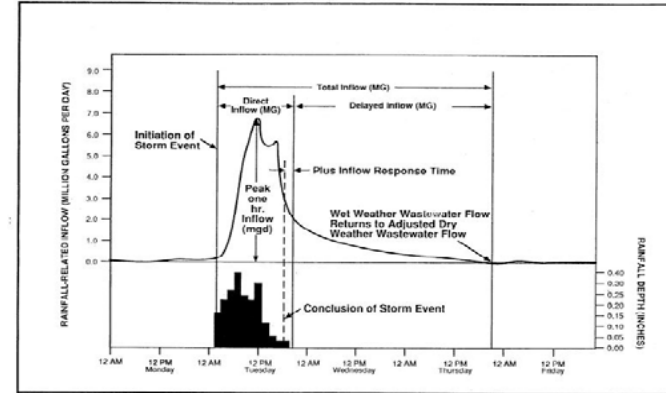
**City of Pinole**  
**Capital Improvement Plan**  
**Fiscal Years 2017-18 through 2021-22**

**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:

Estimated End Date:

**Total Estimated Cost:**

Planning and Design:	\$ 60,000.00
Engineering and Administrative:	\$ -
Construction:	\$ -
Equipment:	\$ -
Contingency:	\$ -
<b>Total:</b>	<b>\$ 60,000.00</b>

**Funding Source:**

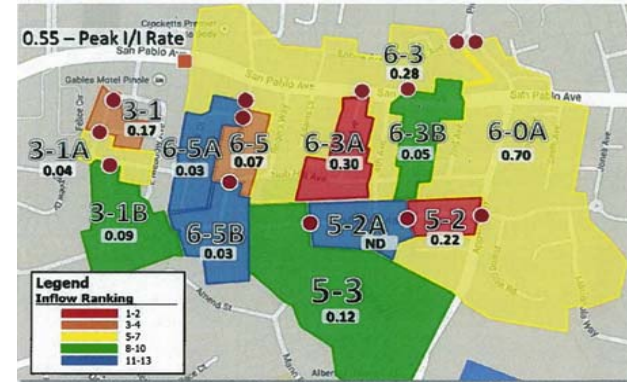
	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Sewer Enterprise Fund- 500	-	\$60,000	-	-	-	-
<b>Total</b>	-	<b>\$60,000</b>	-	-	-	-

**City of Pinole**  
**Capital Improvement Plan**  
**Fiscal Years 2017-18 through 2021-22**

**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:

Estimated End Date:

**Total Estimated Cost:**

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

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Sewer Enterprise Fund- 500	-	\$350,000	-	-	-	-
<b>Total</b>	<b>-</b>	<b>\$350,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

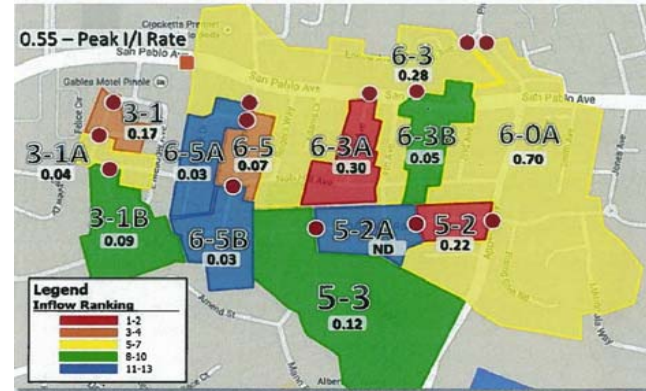


**City of Pinole**  
**Capital Improvement Plan**  
**Fiscal Years 2017-18 through 2021-22**

**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:

Estimated End Date:

**Total Estimated Cost:**

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

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Sewer Enterprise Fund- 500	-	-	\$350,000	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>\$350,000</b>	<b>-</b>	<b>-</b>	<b>-</b>

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**Project:** Storage Building and Improvements at 651 Pinole Shores Drive

**Description:** Storage for Public Works functions

**Justification:** New Public Works Building needs last phase completed. Last phase includes the paving around the shop space. This project is to replace space lost to the WPCP Upgrade Project.

**Project Number:** SS1706

**Projected Timing:**

Estimated Start Date: July 2015

Estimated End Date: December 2017



**Total Estimated Cost:**

Planning and Design:

Engr/Admin: \$ -

Construction: \$ 227,300

Equipment: \$ -

Contingency: \$ -

**Total: \$ 227,300**

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Sewer Plant Expansion - 503	\$182,300	\$45,000	-	-	-	-
<b>Total</b>	<b>\$182,300</b>	<b>\$45,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>



**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**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 2018



**Total Estimated Cost: \***

Planning and Design:	\$ 2,851,789
Engr/Admin:	\$ 4,434,535
Construction:	\$ 43,143,000
Equipment:	\$ -
Contingency:	\$ 3,020,010
<b>Total:</b>	<b>\$ 53,449,334</b>

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

<b>Funding Source:</b>	<b>Prior Actual</b>	<b>FY 2017-18 Proposed</b>	<b>FY 2018-19 Proposed</b>	<b>FY 2019-20 Proposed</b>	<b>FY 2020-21 Proposed</b>	<b>FY 2021-22 Proposed</b>
Sewer Plant Expansion - 503	\$21,251,789	\$18,215,300	\$13,982,245	-	-	-
<b>Total</b>	<b>\$21,251,789</b>	<b>\$18,215,300</b>	<b>\$13,982,245</b>	<b>-</b>	<b>-</b>	<b>-</b>

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**Project:** Install Trash Capture Devices

**Description:** Install trash capture devices within the municipal

**Justification:** As per the new Municipal Stormwater Permit, conveyance of litter and trash within the collection system needs to be substantially reduced for permit compliance.

**Project Number:** SW1701

**Projected Timing:**

Estimated Start Date: 2017  
Estimated End Date: 2018



**Total Estimated Cost:**

Planning and Design:	
Engineering and Administrative:	\$ 9,500
Construction:	\$ 76,000
Equipment:	
Contingency:	\$ 9,500
<b>Total:</b>	<b>\$ 95,000</b>

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Refuse Management - 213	-	\$95,000	-	-	-	-
<b>Total</b>	<b>-</b>	<b>\$95,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**Project:** Storm Drainage Annual Rehabilitation

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

**Justification:** The existing system does not contain all stormwater runoff. Losses within the system can lead to other maintenance issues such as eroding embankments, and weakened roadways. Additionally, as per the new municipal stormwater permit, conveyance of litter and trash within the collection system needs to be reduced substantially for compliance.



**Project Number:** SW1702

**Projected Timing:**

Estimated Start Date: 2017  
Estimated End Date: 2020

**Total Estimated Cost:**

Planning and Design:	
Engineering and Administrative:	\$ 60,000
Construction:	\$ 480,000
Equipment:	
Contingency:	\$ 60,000
<b>Total:</b>	<b>\$ 600,000</b>

**Funding Source:**

	Prior Actual	FY 2017-2018 Proposed	FY 2018-2019 Proposed	FY 2019-2020 Proposed	FY 2020-2021 Proposed	FY 2021-2022 Proposed
Measure S 2014 - 106		75,000	\$75,000	\$150,000	\$150,000	\$150,000
<b>Total</b>	<b>-</b>	<b>75,000</b>	<b>\$75,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**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.

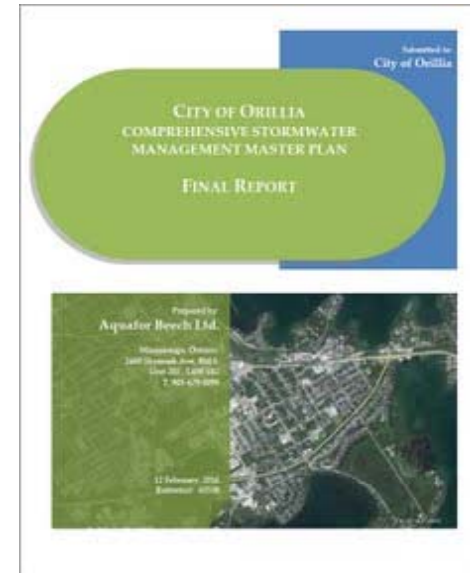
**Project Number:** SW1703

**Projected Timing:**

Estimated Start Date: 2016  
Estimated End Date: 2017

**Total Estimated Cost:**

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



<b>Funding Source:</b>	<b>Prior Actual</b>	<b>FY 2017-18 Proposed</b>	<b>FY 2018-19 Proposed</b>	<b>FY 2019-20 Proposed</b>	<b>FY 2020-21 Proposed</b>	<b>FY 2021-22 Proposed</b>
Measure S 2014 - 106		\$75,000				
<b>Total</b>	<b>-</b>	<b>\$75,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**Project:** Street Sweeper

**Description:** Procure a new street sweeper vehicle.

**Justification:** The City requires a new street sweeper. Street sweeping is an important activity to maintain local water quality, an activity required by law; to keep trash from local waterways; and to maintain municipal aesthetics.



**Project Number:** SW1801

**Projected Timing:**

Estimated Start Date: 2017  
Estimated End Date: 2018

**Total Estimated Cost:**

Planning and Design:	\$	-
Engineering and Administrative:	\$	-
Construction:	\$	-
Equipment:	\$	350,000
Contingency:	\$	-
<b>Total:</b>	<b>\$</b>	<b>350,000</b>

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Refuse Management - 213		\$350,000				
<b>Total</b>	-	<b>\$350,000</b>	-	-	-	-

**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**Project:** Pavement Maintenance and Rehabilitation Program

**Description:** Routine Road Maintenance limited to funds available.

**Justification:** The Pavement Management Report completed January 2016 provides a Pavement Condition Index (PCI) for most roads within Pinole of 70. 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

**Projected Timing:**

**Estimated Start Date:** Annually  
**Estimated End Date:** Annually

**Total Estimated Cost:**

Planning and Design:	\$ -
Engineering and Administrative:	\$ 368,106
Construction:	\$ 4,049,170
Equipment:	\$ -
Contingency:	\$ 184,053
<b>Total:</b>	<b>\$ 4,601,329</b>

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
City Street Improvements - 325 *	\$20,233	\$704,767	\$200,000	\$250,000	\$250,000	\$250,000
Arterial Street Rehab - 377 *	\$3,981	\$596,019	\$200,000	\$250,000	\$250,000	\$250,000
Gas Tax (RMRA/SB1 Funds) - 200 **	\$0	\$105,877	\$317,613	\$317,613	\$317,613	\$317,613
<b>Total</b>	<b>\$24,214</b>	<b>\$1,406,663</b>	<b>\$717,613</b>	<b>\$817,613</b>	<b>\$817,613</b>	<b>\$817,613</b>

\* 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 2017-18 through 2021-22**

**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: 2018  
Estimated End Date: 2018

**Total Estimated Cost:**

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

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-2020 Proposed	FY 2020-21 Proposed	FY 2021-22 Proposed
Gas Tax - 200	-			\$100,000		
<b>Total</b>	-	-	-	<b>\$100,000</b>	-	-



**City of Pinole  
Capital Improvement Plan  
Fiscal Years 2017-18 through 2021-22**

**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 recently placed the Bridge in their funding plan and will provide funding for 88.5% of the replacement cost. The total project cost is \$16,766,800: State contribution will be \$14,843,648. This project is partially funded by the CCTA OBAG 2 Program.



**Project Number:** RO1710

**Projected Timing:**

**Estimated Start Date:** 2017  
**Estimated End Date:** Beyond 5 year term

**Total Estimated Cost:**

Planning and Design:	\$ 45,000
Engineering and Administrative:	\$ 993,000
Construction:	\$ 15,773,800
Equipment:	\$ -
Contingency:	
<b>Total:</b>	<b>\$ 16,811,800</b>

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-2021 Proposed	FY 2021-22 Proposed	Beyond Proposed
City Street Improvements - 325 *	-	\$147,427	11,470	-	-	-	\$1,809,255
State Contribution	-	790,573	88,530	-	-	-	\$13,964,545
<b>Total</b>	<b>-</b>	<b>\$938,000</b>	<b>\$100,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$15,773,800</b>

\* Funding in the amount of \$199,000 is expected from the CCTA OBAG 2 Program.



**City of Pinole**  
**Capital Improvement Plan**  
**Fiscal Years 2017-18 through 2021-22**

**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 OBAG 2 Program.

**Project Number:** RO1714

**Projected Timing:**

**Estimated Start Date:** 2017  
**Estimated End Date:** Beyond 5 year term



**Total Estimated Cost:**

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

**Funding Source:**

	Prior Actual	FY 2017-18 Proposed	FY 2018-19 Proposed	FY 2019-20 Proposed	FY 2020-21 Proposed	FY 2020-22 Proposed
City Street Improvements - 325 *	4,600	\$11,000	109,000	-	-	-
<b>Total</b>	<b>4,600</b>	<b>\$11,000</b>	<b>109,000</b>	<b>-</b>	<b>-</b>	<b>-</b>

\* Funded \$120,000 by the CCTA OBAG 2 Program.