

Archived

Public Works Agency Program & Services



Presentation to CVMAC
May 20, 2019

Content

1. Transportation Projects and Programs
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3. Maintenance & Operation Services
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Transportation Projects and Programs

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the slide, creating a modern, layered effect. The text is centered horizontally and positioned in the middle of the slide.

2018 Transportation Projects and Programs

\$20.9 Million

- Safety/Multi-Modal Projects--\$.7M
- Pavement Management--\$9.3M
- Traffic Services and Signals --\$.7M
- Safe Routes to School, Sidewalks, Bicycle --\$8.5M
- Storm Damage, Drainage and Roadside Repairs--\$1.7M

Safety/Multi-Modal Transportation Projects

\$700K

Before



After



West Blossom Sidewalk and RR Xing

Sunol Quiet Zone

- Castlewood Drive
- Bond Street
- Main Street

Pavement Management

\$9.3M

- ▶ \$9.3 M in Overlay and Slurry Seal Projects
- ▶ 22.7 Miles of Streets and Roads Resurfaced
- ▶ Average PCI = 73 (Very Good)



Del Valle Road



Veronica Avenue

Pavement Rehabilitation (75 Streets)

GREENVILLE RD

ADAIR DR

ALTA MIRA CT

ALVERTUS AVE

CAMINO ALTA MIRA

CARLEEN CT

CARLEEN DR

ELROD DR

HALEY DR

LENARD DR

MANCINI DR

MICHEALS CT

SANDY RD

SUMMIT CT

FAIRMONT DR

CHANNEL ST

VIA ALAMITOS

VIA ARRIBA

VIA ALAMO

VIA AIRES

VIA ROSAS

VIA PIEDRAS

PASEO GRANDE

RANCHO PALOMARES DR

LAKEMONT PL

CANYON OAKS CT

NORTH GOLD RIDGE DR

BUCKEYE DR

VALLEY OAK DR

CLEAR SPRINGS CT

DURRWOOD CT

CRESTFIELD DR

MISTY SPRING DR

PEACOCK HILL DR

STONE CANYON DR

SALVIA DR

SECRET MEADOW DR

SECRET MEADOW CT

151ST AVE

152ND AVE

153RD AVE

155TH AVE

BLOSSOM WY

BOSTON RD

CHERRY WAY

FAIRVIEW AVE

HARDEMAN ST

PICKFORD WAY

PLAZA DR

SPARKS WAY

W. BLOSSOM WY

WINCHESTER DR

WINDFELDT DR

WOODROE AVE

WOODROE CT

EDEN CANYON RD

LANGTON WY

HARMONY DR

HARMONY CT

HAVEN ST

PARADISE BLVD

WESTERMAN CT

KENDALL WY

RAGLAND ST

CRESENT AVE

KNOX ST

N SIXTH ST

N. FIFTH ST

N. FOURTH ST

RUBY ST

SYDNEY WAY

VERONICA AVE

WILSON AVE

GEM CT

DEL VALLE RD

Safe Routes to School / Sidewalk \$6.4 M



Before
Via Enrico



After



Before
Channel Street



After



Before
Ashland Avenue



After



Before
Orange Avenue



After

Storm Damage/Drainage Repairs \$1.7M



Before



After

Redwood Road

\$700K Traffic and Transportation Services



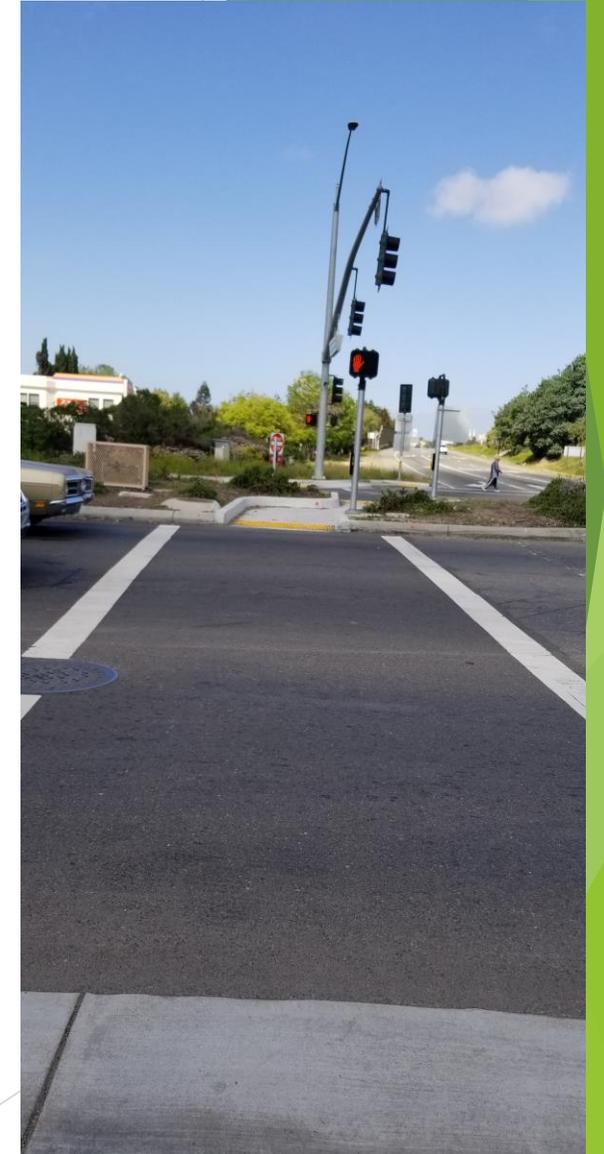
Speed Humps

- ▶ West Sunset Boulevard
- ▶ Birch Street
- ▶ Via Rancho
- ▶ Foothill Road
- ▶ 152nd Avenue
- ▶ Via Catherine
- ▶ Via Arriba
- ▶ **Palo Verde Road**
- ▶ Via Manzanas
- ▶ **Alana Road**
- ▶ Grant Avenue
- ▶ Princeton Street



Speed Tables

- ▶ Tesla Road
- ▶ Patterson Pass Road
- ▶ Cross Road



Redwood Road at I-580 Crosswalk

\$2.1 M Bicycle Facility Installations



Ashland Avenue



Fairmont Drive

Bicycle Facilities Installed

Del Valle Road

Sydney Way

Via Arriba

Blossom Way

Wilson Avenue

Fairview Avenue

Bartlett Avenue

Via Toledo

Via Granada

Empire Street

Seven Hills Road

\$172 Million in Upcoming Transportation Projects



- ▶ MEEKALND AVENUE PHASE I (\$7.8M)
- ▶ East 14th Phase II Streetscape (\$20M)
- ▶ **Stanton Avenue Sidewalk (\$7.5M)**
- ▶ EAST AVENUE SIDEWALK (\$4M)
- ▶ **SANTA MARIA SIDEWALK (\$5.5M)**
- ▶ WESTERN BOULEVARD IMPROVEMENTS (\$4M)
- ▶ **Traffic Signal ECVB at Palo Verde (\$0.7M)**
- ▶ **CROW CANYON ROAD CULVERT REPLACEMENTS (\$400K)**
- ▶ East Lewelling Boulevard Sidewalk (\$7M)
- ▶ HAVILAND AVENUE SIDEWALKS (\$1.2M)

- ▶ **Fairmont Drive Guardrail (\$1M)**
- ▶ HESPERIAN BOULEVARD UTILITY UNDERGROUNDING (\$4M)
- ▶ Hesperian Boulevard Streetscape (\$31M)
- ▶ Greenville Road at Tesla Road (\$1.1M)
- ▶ **CENTER STREET SIDEWALK (\$1.8M)**
- ▶ **Anita Avenue Sidewalk (\$6M)**
- ▶ 164TH AVENUE/BLOSSOM WAY SIDEWALKS (\$700K)
- ▶ **Somerset Avenue Sidewalk (\$7M)**
- ▶ Miller Sweeney Dolphin Cluster and Fender Repair (\$1.2M)
- ▶ Hesperian Boulevard at Sycamore Street Signal Replacement (\$0.8M)
- ▶ **Greenville Drive at Villareal Drive Intersection (\$0.4M)**
- ▶ Royal Avenue Sidewalks (\$1M)
- ▶ Enforcement Turnouts **Crow Canyon Road, Redwood Road, Palomares Road, PATTERSON PASS ROAD, TESLA ROAD (\$3M)**
- ▶ Arroyo Road Bridge Replacement (\$3M)
- ▶ Castlewood Drive Bridge Replacement (\$6M)
- ▶ Countywide Pavement Rehabilitation (\$20M)
- ▶ TRASH CAPTURE FACILITIES - SLZ CREEK/ESTUDULLO CANAL (\$6M)
- ▶ **Crow Canyon Road Storm Damage Repairs (\$3M)**
- ▶ NORTH LIVERMORE AVENUE PAVEMENT RECONSTRUCTION (\$6M)
- ▶ **Crow Canyon Road Pavement Reconstruction (\$11M)**

Underlined = UNDER CONSTRUCTION

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Flood Control Projects and Programs

2018

Flood Control Projects and Programs (\$8.93M)

Creek or Channel Restoration Projects	\$2,720,000
Capacity Improvement Projects	\$ 784,000
Major Maintenance Projects	\$1,559,000
Watershed and/or Special Studies	\$3,866,000

2018 Creek/Channel Restoration Projects - Construction Completed

➤ Turner Court Low Impact Development Demonstration Project \$2,720,000



2018 Capacity Improvement Projects - Construction Completed

- Line H Crossing Improvements at Union Pacific Railroad \$ 784,000

Before



During



After



2018 Major Maintenance Projects - Construction Completed

- Line N-3 Tidegate Installation \$ 159,000
- Bockman Canal Desilting \$1,400,000



Before



During



After

2018 Watershed and/or Special Studies

- Supervisory Control and Data Acquisition System Evaluation and Design \$ 994,762
- Pump Station Evaluations and Assessment \$2,871,247



2019

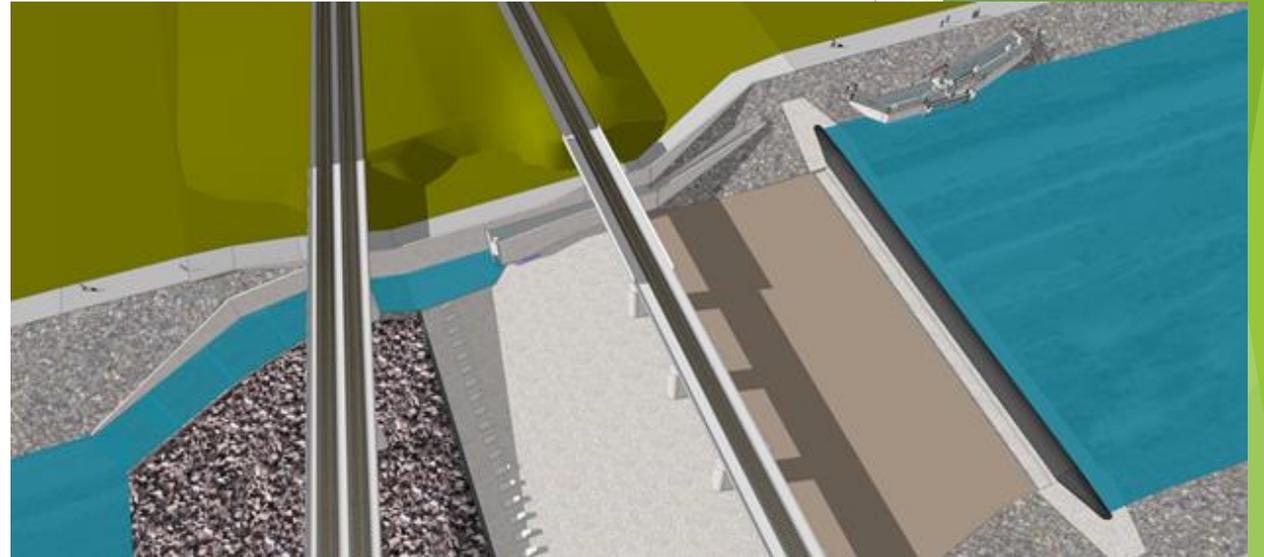
Flood Control Projects and Programs (\$51.63M)

Creek or Channel Restoration Projects	\$16,830,000
Capacity Improvement Projects	\$20,100,000
Major Maintenance Projects	\$11,300,000
Watershed and/or Special Studies	\$ 3,400,000

2019 Creek/Channel Restoration Projects - Under Construction

- Alameda Creek Fish-ladder at BART Weir (Fremont)
1st of 3-Year Construction

\$ 12,000,000



- Installation of Trash Capture Devices - Meekland Avenue/Loma Verde Drive (Hayward)

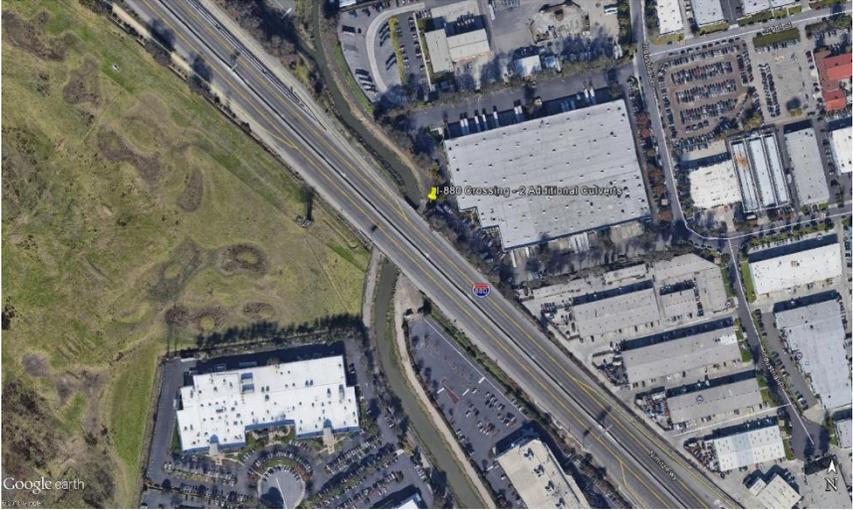
\$ 3,130,000

- Installation of Trash Capture Devices - Estudillo Canal (San Leandro)

\$ 1,700,000

2019 Capacity Improvement Projects Under Construction

➤ Laguna Creek - Culvert Crossing Improvement at I-880 Freeway (Fremont) \$ 6,100,000



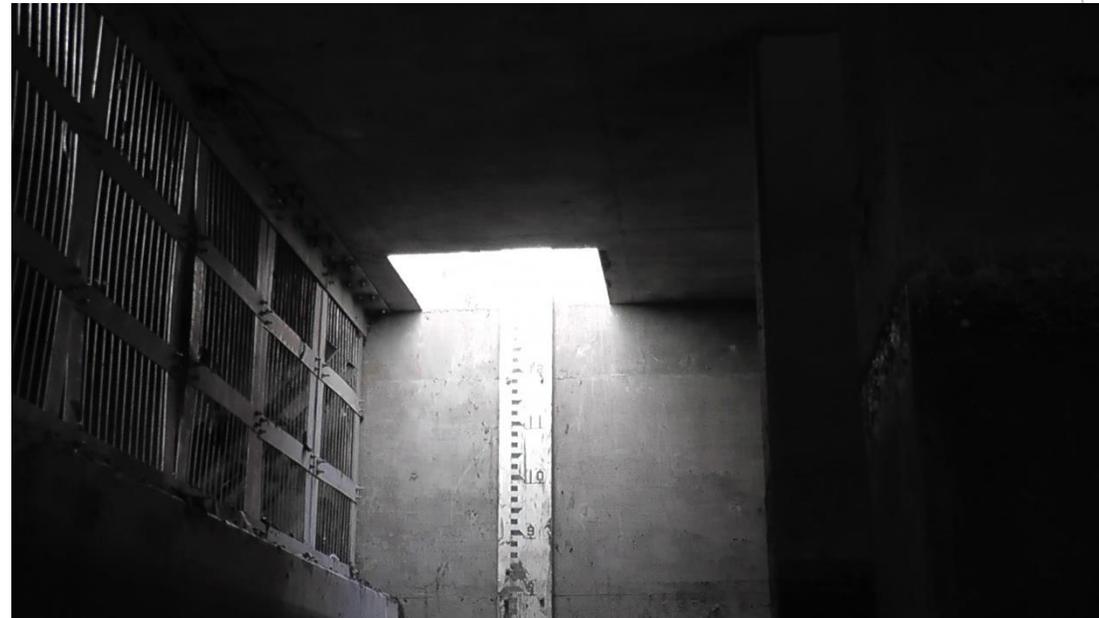
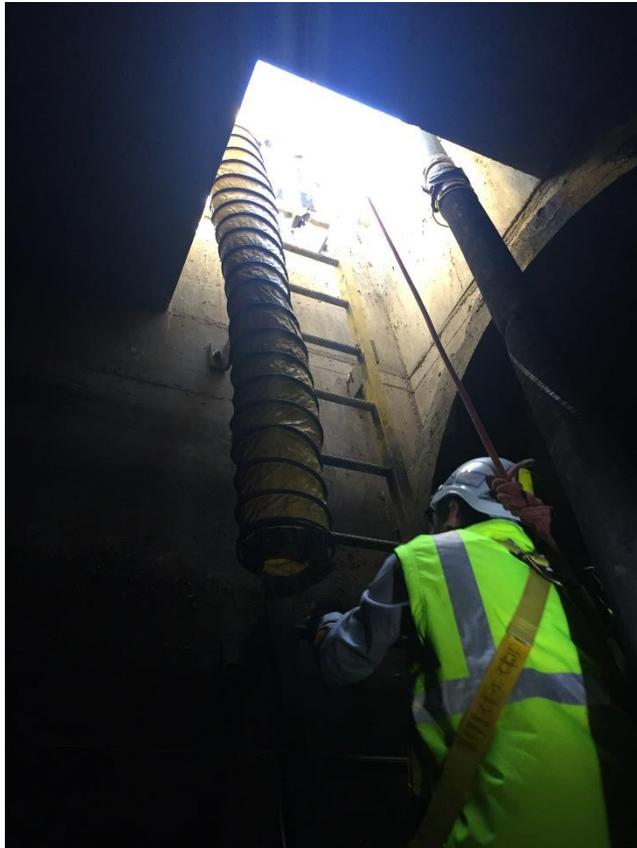
➤ Laguna Creek - Channel and Culvert Improvements downstream of I-880 Freeway (Fremont)

\$14,000,000



2019 Major Maintenance Projects - Under Construction

- Ettie Street Air Intake and Cooling System Improvements (Oakland) \$ 210,000
- Davis Street Pump Station Modifications (San Leandro) \$ 920,000



2019 Watershed and/or Special Studies

Zone 2 Watershed Studies	\$ 400,000
Zone 3A Watershed Studies	\$ 250,000
Zone 6 Watershed Studies	\$ 300,000
Zone 12 Watershed Studies	\$1,650,000
Statistical Analysis of Stormflows vs. Tides	\$ 800,000

Future Projects (\$26M)

- Ardenwood Creek Crossing Improvements at Paseo Padre Parkway and Ardenwood Blvd. (Fremont)
- Line G-1 Crossing Improvements (Union City)
- Estudillo Canal Tidegate Structure Rehabilitation and South Levee Lowering Downstream of UPRR (San Leandro)
- Alvarado Pump Station Rehabilitation (Union City)
- Line B Levee Raise (600') Downstream of Line F Confluence (Hayward)
- Mission Creek Crossing at Lemos Lane, Phase 1 (Fremont)
- San Leandro Creek Trail between Hegenberger Road and 105th Avenue (Oakland)
- SCADA Upgrades (All Pump Stations)
- Lake Merritt Pump Station Underground Storage Tank Replacement (Oakland)
- Lake Merritt Pump Station 48VDC Distribution Replacement (Oakland)
- Line F Pump Station Drainage Bypass (San Leandro)

Maintenance & Operations

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Maintenance & Operation Services



Flood Control Maintenance \$18.5M

\$42 million
2018



Fleet Maintenance \$3M



Road Maintenance \$14.5M



Bridge Operations \$4M



Community Preservation \$2M

Flood Control Maintenance

- ❖ Maintain 580 miles of Flood control system including:
 - ✓ Desilting
 - ✓ Vegetation management
 - ✓ Access road Repair
 - ✓ Tide Gate maintenance
 - ✓ Erosion Repair
 - ✓ Silt processing site maintenance
 - ✓ Illegally dumped debris removal
 - ✓ Fence Repairs
- ❖ Maintain and operate 24 pump stations



Road Maintenance



Maintain 470 miles of Road including:

- ✓ Pothole repair
- ✓ Base repair
- ✓ Resurfacing
- ✓ Traffic sign installation
- ✓ Traffic marking maintenance
- ✓ Curb & gutter repair
- ✓ Weed abatement
- ✓ Illegally dumped debris removal
- ✓ Street Sweeping

Maintain and operate 83 traffic signals

Fleet Maintenance



Fleet Maintenance Services:

- ✓ Maintain over 290 units which includes heavy equipment, sedans and trucks
- ✓ Fleet Acquisition
- ✓ Maintain over 130 units for other Agencies

Provide Fleet Services For:

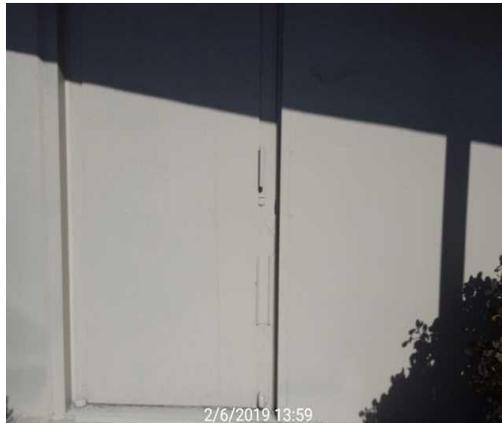
- Alameda County General Services
- Alameda County Sheriff's Office
- Alameda County Public Health Department



Bridge Operations

- ✓ Operate & Maintain 6 Estuary Bridges
- ✓ 24/7 draw bridge operation
- ✓ Bridge opening - over 1,903 (2018)
- ✓ Over 80,000 vehicles per day (29+Million vehicles/year)
(Park, High and Fruitvale Bridges.)

Community Preservation



- ✓ Remove debris/illegal dumping from public right of way
- ✓ Continue to support community cleanups events and Adopt-a-Spot program
- ✓ Remove shopping carts from right of way



- ✓ Abate graffiti on Public right of way and County facilities

Services 2018 Performance Data

Activity Description	Units	Castro Valley Work	Countywide Work
Street Signals Operations maintenance	Units	87	1,510
Traffic Marking Legend Painting	Lineal Feet	6,553	1,817
Shopping Cart Removal	Carts	3	129
Drop Inlet Inspection	Drop Inlet	30	5,037
Graffiti Removal	Square Feet	83	8,859
Pothole Repair	Pot Holes	1,436	1,002
Street Sweeping	Curb Miles	8,681	14,581
Traffic and Street name signs	Signs	183	1,212
Base Repair	Tons	823	5,097
Landscape Maintenance and weed abatement	Acres	6	1,667
Tree Trimming	Tree	211	478
Debris and Brush Removal	Cubic Yards	1,573	16,092

BUILDING PERMITS AND INSPECTION SERVICES

BUILDING PERMITS AND INSPECTION SERVICES



Residential/Building Permits



Commercial/Building Permits



**Issue over 6,600 building permits per year
Perform over 18,600 building inspections annually**

BUILDING PERMITS AND INSPECTION SERVICES (CONT.)



Sidewalk Repair



Wind Repowering Projects

**Valuation of Building Permits Issued over \$90 million
Performed over 40 Sidewalk Repairs in Castro Valley in FY 2019**

CIP Projects Currently Under Construction



Santa Maria Sidewalk

CIP Projects Currently Under Construction



A Street Crosswalk and Inlet Installation

CIP Projects Currently Under Construction



Ramp on Crescent Avenue



Construction Overview — April 2019



ABOUT THE PROJECT

The Center Street project will improve pedestrian access and bicycle safety for school children traveling to and from Creekside Middle School. A livable community with complete streets that benefit all roadway users, especially pedestrians and bicyclists is envisioned.

Project Features

- Concrete Sidewalks, Curbs and Gutters
- Class III Bicycle Routes with Sharrows
- Stormwater Treatment Measures
- Pedestrian Ramps
- High Visibility Crosswalks

CONSTRUCTION SCHEDULE

Construction on the Center Street Improvement Project is scheduled to start in Spring 2019 and be completed by Fall 2019 (Schedule subject to change)



CONSTRUCTION DETAILS

During construction, motorists may experience some minor delays moving through the area. However, construction activities will be minimized during the hours before 8:30 a.m. and after 3:30 p.m. to lessen traffic impact. Also, work will be limited in the area of the schools or along the bike lanes during "Bike To Work Day" on May 9, 2019.

PROJECT LIMITS

The project area is along Center Street from Paradise Knolls to Heyer Avenue in Castro Valley and is approximately 1400 feet long.

For project updates: www.acpwa.org | info@acpwa.org | (510) 670-5591

Center Street Sidewalk

Other Services Provided

- Clean Water Program
- Environmental Services & Regulatory Permitting
- Right of Way Services
- Surveying & Mapping Services
- Construction Management Services
- Development & Facilities Engineering
- County Service Area Administration

New CSA Established to Fund Sidewalk Installation

County Service Area Sidewalk Improvement Zone

What is a County Service Area?

A **County Service Area (CSA)** is a type of special assessment district formed to provide specific extended services to residents and property owners in unincorporated areas of Alameda County.

Under the direction of the Alameda County Board of Supervisors, the Public Works Agency currently provides the following types of extended services through CSAs within an unincorporated area:

- Street Lighting
- Maintenance Services for Private Roads
- Storm Drain Maintenance
- Water and Sewer Services

The Public Works Agency also offers a **CSA Sidewalk Improvement Zone** for residents interested in funding sidewalk construction in their neighborhood.



Public Works Agency
Alameda County

399 Elmhurst Street, Hayward, CA 94544
(510) 670-5480 | www.acpwa.org



Does your street need a sidewalk?



Public Works Agency
Alameda County

Establishing a County Service Area Sidewalk Improvement Zone



Establishing a CSA-Sidewalk Improvement Zone

A County Service Area can be initiated through a resolution by the Alameda County Board of Supervisors or through a petition signed by no less than 10% of the registered voters (who are property owners) residing within the proposed zone.

Once a resolution or petition is initiated, a Notice of Intention is filed with the Alameda County Local Agency Formation Commission (LAFAC) and a public hearing is held to provide information to the property owners.

If more than 50% of the resident voters (who are property owners) file written objections, a majority protest arises and the proceedings will be terminated.

If there is no majority protest, the voters will be asked to approve the financing method. If such funding is not approved, the zone shall not be formed. Residents in other areas of the county who do not wish to receive additional services will not bear any costs.

Financing a CSA

When a CSA exists, the property owner will pay taxes and fees to the CSA instead of the County for the services provided. These will be billed as line items on the County's property tax bill.

The taxes may take a variety of forms:

- General property taxes may be levied depending upon Prop. 13 constraints. These taxes, referred to as "ad valorem taxes", are based on assessed value.
- Special taxes may be levied for specific purposes. These taxes must be approved by a 2/3 vote of CSA residents.
- Benefit assessments may be levied for specific purposes and are based on the direct benefit each parcel receives from the improvements or services financed. These charges are subject to annual approval at a public hearing.

The property owner receives notice regarding the taxes and/or fee, including the amount of the proposed fee.

There must be a public hearing where protests are considered. If a majority protest of 50% or more are against the assessment, there shall be no assessment.

Costs Associated with a CSA Sidewalk Improvement Zone

The cost of the sidewalk improvements are dependent on a number of factors including:

- design and construction management costs
- site conditions
- property location
- selected improvements.

An estimated linear footage cost will be provided for each area requested based on the actual project location.

For More Information:

Email: CSAsidewalks@acpwa.org
Phone (510) 670-5518

Sidewalk and Bike Facilities (2001-Present)

In unincorporated areas, PWA has spent over \$126M in implementing sidewalk, bike lane and other safety projects; \$23 M currently under construction; \$63 M in Design; and \$90M under Preliminary Engineering and scoping.

A total of \$302 million in completed, under construction & design and planned projects.

- This investment has resulted in a total of 211,000 feet or 40 miles of completed, under construction, & design and planned sidewalk projects of which 183,000 feet or 34 miles are in District 4; and
- 247,000 feet or 47 miles of completed, under construction, & design and planned bike facility projects; of which 154,000 feet or 29 miles are in District 4.

Completed Projects:

- Completed 107,000 feet (20 miles) of sidewalk, of which 82,000 feet (15.5 miles) in D4.
- Completed 175,000 feet (33 miles) of bike lanes, of which 98,000 feet (18 miles) in D4.

Under Construction:

- 29,800 feet (5.6 miles) of sidewalk of which 29,800 feet (5.6 miles) in D4
- 32,000 feet (6.1 miles) of bike lanes of which 26,000 feet (4.9 miles) in D4

Under Design:

- 26,600 feet (5 miles) of sidewalk, of which 11,800 feet (2.2 miles) are in D4
- 62,400 feet(12 miles) of bike lane, of which 9,200 feet (1.7 miles) are in D4.

Under Preliminary Engineering or Scoping:

- 48,000 feet (9.1 miles) of sidewalk, of which 44,000 feet (8.3 miles) in D4
- 21,000 (4 miles) feet of bike lane of which 21,000 (4 miles) in D4.

Questions?