City of Malibu
Public Works Department

Five Year 2019-2024
Capital Improvement Plan

JEFFERSON WAGNER, MAYOR
KAREN FARRER, MAYOR PRO TEM
MIKKE PIERSON, COUNCILMEMBER
RICK MULLEN, COUNCILMEMBER
SKYLAR PEAK, COUNCILMEMBER

REVA FELDMAN, CITY MANAGER

ROB DUBOUX, PE., ESQ., PUBLIC WORKS DIRECTOR/CITY ENGINEER

ATTACHMENT 2
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A. Introduction

The City of Malibu’s public infrastructure is essential to providing a safe and reliable services for the community and visitors. The 2019-2024 Capital Improvement Plan (CIP) provides a framework for identifying, planning, budgeting, prioritizing, and implementing capital improvement projects within the city. There is a total of 42 individual projects included in the 2019-2024 CIP totaling $125,232,973. These projects consists of resurfacing the City’s roadways as identified in the City of Malibu’s Pavement Management Plan, the Civic Center Wastewater Treatment Facility (Phase 2), PCH Median Improvements, PCH Signal Synchronization Projects, Civic Center Way Improvements and other infrastructure repair and replacement projects. These projects will improve the public infrastructure, improve safety and preserve the City’s largest assets. The CIP also identifies several improvement and repair projects that were generated from the Woolsey Fire and subsequent storm events.

Each year, the CIP will be presented to City Council to provide an update to the current projects, add new projects, adjust project schedules, and update project estimates and funding strategies.

B. Funding

The 2019-2024 CIP provides an approach to identify funding needs, funding availability and provides a funding plan that is realistic, comprehensive and flexible. Funding for the 2019-2024 CIP includes a variety of funding sources. Only 4% of the total estimated funding for the 2019-2024 CIP will be from the City’s General Fund. This is attributed to the variety of funding sources the City is able to obtain. Larger transportation projects are funded using the City’s allotment of Los Angeles County Measure R and Measure M funding comprising of 29% of the total estimated funding. Measure R and M funding is a result of 2008 and 2016 ballot measures that added an additional sales taxes in order to pay for transportation projects and improvements. The Civic Center Water Treatment Facility, Phase 2 is currently in the design phase. Funding for the design portion of this project was made possible with a funding agreement with Hughes Research Laboratories (HRL). Funding for construction for Phase 2 has yet to be identified.

Proposition C was approved by Los Angeles County Voters in 1990 that added a half-cent sales tax for road repairs. Senate Bill 1, the Road Repair and Accountability Act of 2017, was signed into law on April 28, 2017. This legislative package invests $54 billion over the next decade to fix roads, freeways and bridges in communities across California. $1.5 billion of these funds will be allocated to the repairs to local streets and roads. Funds from these two programs will provide funding for the City’s pavement maintenance projects.

After the Woolsey Fire and winter storms of 2018-2019, the City was eligible to apply for various funding sources through the California Governor’s Office of Emergency Services (Cal OES) and the federal government (FEMA). These funding sources account for 8% of the total estimated funding.

Lastly, 55% of the total estimated funding is under the category “unfunded.” Most of these projects are identified in the years 2020-2024. The funding strategies for these projects will be identified during the future year budget process and CIP updates.
C. Project Descriptions

The projects identified in this CIP will include a separate project description sheet that includes a detailed project description, funding, project location map, any anticipated long term maintenance costs and anticipated milestones.

Projects are also separated into the following categories:

1. Street Improvements
2. Transportation
3. Drainage
4. Wastewater and Recycled Water
5. Facilities
6. Disaster Projects
The following chart shows the distribution of project categories and the percentage of the total project costs associated to each category. The majority of the costs included in the 2019-2024

The table below is a detailed breakdown of the funding for the separate project categories.

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Total Project Estimate</th>
<th>1 FY 2019-2020 (Total Costs)</th>
<th>2 FY 2020-2021 (Total Costs)</th>
<th>3 FY 2021-2022 (Total Costs)</th>
<th>4 FY 2022-2023 (Total Costs)</th>
<th>5 FY 2023-2024 (Total Costs)</th>
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</table>
1. Street Improvements
This category of projects includes street resurfacing, slurry seal applications, replacement of damaged curbs, gutters and sidewalks, intersection and turn movement improvements, street and pedestrian enhancements to improve mobility, and Pacific Coast Highway safety improvement projects. This category also includes continuation of the City’s Pavement Maintenance Plan to maintain the City’s streets, as well as several transportation safety projects that were identified in the Pacific Coast Highway Safety Plan.

The eleven projects under this section include:

- Annual Street Maintenance Projects (5 total)
- Civic Center Way Improvements
- Kanan Dume Road Widening
- Pacific Coast Highway Median Improvements – Webb Way to Puerco Canyon Road
- Pacific Coast Highway Median Improvements – Latigo Canyon Road to Trancas Canyon Road
- Pacific Coast Highway Raised Medians
- Westward Beach Road Improvements
## PROJECT TITLE: Annual Street Maintenance

### PROJECT NO.: 9002 PROJECT TYPE: STREET IMPROVEMENTS

### PROJECT DESCRIPTION:
This project consists of performing street resurfacing throughout Malibu Knolls and Malibu Country Estates neighborhood and Carbon Mesa Road.

### PROJECT/STATUS UPDATE

### RECOMMENDED TIME SCHEDULE

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### COST ESTIMATE AND ESTIMATED SCHEDULE

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<th>TOTAL PROJECT COST</th>
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### FUTURE OPERATION AND MAINTENANCE COSTS

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### NOTES:

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PROJECT TITLE: Annual Street Maintenance

PROJECT NO.: 9002
PROJECT TYPE: STREET IMPROVEMENTS

Legend
- Annual Street Maintenance
- Malibu City Boundary
# PROJECT TITLE: Annual Street Maintenance

## PROJECT NO.: 9002

## PROJECT TYPE: STREET IMPROVEMENTS

### PROJECT DESCRIPTION:
This project consists of performing street resurfacing throughout Malibu Road, Broad Beach Road, Latigo Canyon Road, Corral Canyon Road and a portion of Rambla Pacifico Street.

### PROJECT/STATUS UPDATE

### MILESTONES

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### RECOMMENDED TIME SCHEDULE

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<th>2 2020-21</th>
<th>3 2021-22</th>
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### FUTURE OPERATION AND MAINTENANCE COSTS

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### NOTES:

$ -
PROJECT TITLE: Annual Street Maintenance

PROJECT NO.: 9002
PROJECT TYPE: STREET IMPROVEMENTS

Legend
- Annual Street Maintenance
- Malibu City Boundary
# Annual Street Maintenance

**PROJECT NO.:** 9002

**PROJECT TYPE:** STREET IMPROVEMENTS

**PROJECT DESCRIPTION:**
This project consists of performing street resurfacing along Kanan Dume Road from PCH to Teal Terrace.

## Project/Status Update

### Recommended Time Schedule

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### Cost Estimate and Estimated Schedule

#### Project Segment:

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## Source of Funds

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PROJECT TITLE: Annual Street Maintenance

PROJECT NO.: 9002
PROJECT TYPE: STREET IMPROVEMENTS
# Annual Street Maintenance

**PROJECT NO.:** 9002  
**PROJECT TYPE:** STREET IMPROVEMENTS

## Project Description:
This project consists of performing street resurfacing along Kanan Dume Road from Teal Terrace to City Limits.

## Project/Status Update

### Recommended Time Schedule

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## Cost Estimate and Estimated Schedule

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### Source of Funds

| General Funds CIP Designated Reserve | $175,000 | $175,000 | $175,000 | $175,000 | $175,000 | $175,000 | $175,000 | $175,000 | $175,000 |
| Traffic Safety Funds            | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 |
| Proposition C                   | $130,000 | $130,000 | $130,000 | $130,000 | $130,000 | $130,000 | $130,000 | $130,000 | $130,000 |

### Total Funding:

| $600,000 | $600,000 | $600,000 | $600,000 | $600,000 | $600,000 | $600,000 | $600,000 | $600,000 | $600,000 |

## Future Operation and Maintenance Costs

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PROJECT TITLE: Annual Street Maintenance

PROJECT NO.: 9002
PROJECT TYPE: STREET IMPROVEMENTS

Legend
- Annual Street Maintenance
- Malibu City Boundary

Kanan Dume Road
Pacific Coast Highway
# PROJECT TITLE: Annual Street Maintenance

## PROJECT NO.: 9002

## PROJECT TYPE: STREET IMPROVEMENTS

### PROJECT DESCRIPTION:
This project consists of performing street resurfacing of City owned roads at locations to be determined.

### PROJECT/STATUS UPDATE

#### RECOMMENDED TIME SCHEDULE

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#### COST ESTIMATE AND ESTIMATED SCHEDULE

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#### SOURCE OF FUNDS

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### FUTURE OPERATION AND MAINTENANCE COSTS

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MAP TO BE INSERTED AT A LATER DATE
**PROJECT TITLE:** Civic Center Way Improvements

**PROJECT NO.:** 9061

**PROJECT TYPE:** STREET IMPROVEMENTS

**PROJECT DESCRIPTION:** The Civic Center Way Improvements project intends to improve the roadway on Civic Center Way for all modes of travel by improving the curvature of the roadway, expanding the roadway, providing a pedestrian facility and a bike route. The project limits are along Civic Center Way between Malibu Canyon Road and Webb Way, a distance of approximately 0.7 miles; and along Webb Way between Civic Center Way and Pacific Coast Highway, a distance of approximately 400 feet.

**PROJECT STATUS UPDATE**

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**RECOMMENDED TIME SCHEDULE**

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**FUTURE OPERATION AND MAINTENANCE COSTS**

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17
**PROJECT TITLE:** Kanan Dume Road Widening

**PROJECT NO.:** 9076  
**PROJECT TYPE:** STREET IMPROVEMENTS

**PROJECT DESCRIPTION:**
This project consists of widening the existing shoulder area on the north bound side of Kanan Dume.

**PROJECT/STATUS UPDATE**

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**RECOMMENDED TIME SCHEDULE**

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**COST ESTIMATE AND ESTIMATED SCHEDULE**

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**FUTURE OPERATION AND MAINTENANCE COSTS**

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**PROJECT TITLE:** PCH Median Improvements

**PROJECT NO.:** 9059

**PROJECT TYPE:** STREET IMPROVEMENTS

**PROJECT DESCRIPTION:**
The project will include installation of new raised medians on Pacific Coast Highway between Webb Way and Puerco Canyon Road.

**PROJECT STATUS UPDATE**

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**RECOMMENDED TIME SCHEDULE**

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PROJECT TITLE: PCH Median Improvements

PROJECT NO.: 9059
PROJECT TYPE: STREET IMPROVEMENTS

Legend
- PCH Median Improvements - Webb Way to Puercano Canyon Road

PUERCO CANYON ROAD
WEBB WAY
PACIFIC COAST HIGHWAY
**PROJECT TITLE:** PCH Median Improvements - Latigo Canyon Road to Trancas Canyon Road

**PROJECT NO.:** T80  
**PROJECT TYPE:** STREET / IMPROVEMENTS

**PROJECT DESCRIPTION:**
This project consists of installing permanent raised median in the double-yellow areas, and where enough width exists, consider landscaped medians on PCH from Latigo Canyon Drive to Trancas Canyon Road (including Paradise Cove Road and Zuma Beach). This project was identified in the PCH Safety Study (Priority #11).

**PROJECT/STATUS UPDATE**

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**PROJECT TITLE:** PCH Raised Medians

**PROJECT NO.:** T80  **PROJECT TYPE:** STREET IMPROVEMENTS

**PROJECT DESCRIPTION:**
This project consists of constructing a raised median within 500 feet at the intersection of PCH and Paradise Cove in both directions wherever a double-double yellow line exists and extend northbound left turn lane by 100 feet. Construct raised medians in areas where double yellow lines exist in the vicinity of Zuma Beach, especially where yellow posts are currently installed. This project was identified in the PCH Safety Study (Priority #4 and #10).

**PROJECT STATUS UPDATE**

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**Legend**
- **PCH Raised Medians**

**Map Details**
- **Zuma Beach**
- **Pacific Coast Highway**
- **Paradise Cove Road**
PROJECT TITLE: Westward Beach Road Improvements

PROJECT NO.: 9082 PROJECT TYPE: STREET IMPROVEMENTS

PROJECT DESCRIPTION:
This project consists of improving the parking along Westward Beach Road between Birdview Avenue to approximately 1,100 feet west. The project will also include a 12’ wide combination sidewalk and bicycle path and a bicycle connection from Pacific Coast Highway to Westward Beach Road. A new concrete sand barrier will be placed between the beach and the proposed parking area to prevent sand from going on the new sidewalk and parking area.

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PROJECT TITLE: Westward Beach Road Improvements

PROJECT NO.: 9082
PROJECT TYPE: STREET IMPROVEMENTS
2. Transportation

This category of projects includes improvements to traffic mobility and safety within the City. These projects include upgrading and synchronization of the traffic signal system along Pacific Coast Highway, installing overhead warning and messaging signs, and other traffic striping improvements. Projects listed in the Pacific Coast Highway Safety Study are included in this category.

The six projects under this section include:

- La Costa Pedestrian Crossing Improvements
- Pacific Coast Highway Overhead Warning Signs
- Pacific Coast Highway Regional Traffic Messaging System
- Pacific Coast Highway Signal Synchronization System – Topanga Canyon Road to John Tyler
- Pacific Coast Highway Signal Synchronization System – Trancas Canyon Road to Paradise Cove
- Pacific Coast Highway Traffic Striping Modifications
**PROJECT TITLE:** La Costa Pedestrian Crossing

**PROJECT NO.:** 9058  
**PROJECT TYPE:** TRANSPORTATION

**PROJECT DESCRIPTION:**
The project will install a Pedestrian Hybrid Beacon on PCH in the La Costa Beach area, between Rambla Vista East and Rambla Vista West, to improve safety for pedestrians and motorists.

**PROJECT/STATUS UPDATE**

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**RECOMMENDED TIME SCHEDULE**

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**FUTURE OPERATION AND MAINTENANCE COSTS**

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![Image of a street scene with a pedestrian crossing at PCH at LA COSTA]
**PROJECT TITLE:** PCH Overhead Warning Signs

**PROJECT NO.:** TBD  **PROJECT TYPE:** TRANSPORTATION

**PROJECT DESCRIPTION:**
This project consists of installation of overhead warning signs on PCH near Moonsnadows restaurant and Big Rock Drive. This project was identified in the PCH Safety Study (Priority #7 and #15).

### MILESTONES

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### COST ESTIMATE AND ESTIMATED SCHEDULE

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PROJECT TITLE: PCH Overhead Warning Signs

PROJECT NO.: TBD
PROJECT TYPE: TRANSPORTATION
**PROJECT TITLE:** PCH Regional Traffic Messaging System

**PROJECT NO.:** 9057  
**PROJECT TYPE:** TRANSPORTATION

**PROJECT DESCRIPTION:**
The project is intended to install permanent changeable message signs at strategic locations along PCH and County canyon road to relay real-time traffic information to motorists.

**PROJECT STATUS UPDATE**

### RECOMMENDED TIME SCHEDULE

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### FUTURE OPERATION AND MAINTENANCE COSTS

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**PROJECT TITLE:** PCH Signal Synchronization System

**PROJECT NO.:** 9066  
**PROJECT TYPE:** TRANSPORTATION

**PROJECT DESCRIPTION:**
The overall objective of this project is to synchronize all the traffic signals located between John Tyler Drive and Topanga Canyon Boulevard, a distance of approximately 8 miles. Improvements will also include new CCTV's cameras at the intersections, replace the existing signal poles with new signal poles, street improvements and ADA upgrades, ATCS sensors, changeable message signs, and use state of the art technology to make PCH a "Smart Corridor". This project was identified in the PCH Safety Study (Priority #1).

**MILESTONES**
- Preliminary Design
- Final Design
- Construction

**RECOMMENDED TIME SCHEDULE**

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### PROJECT TITLE: PCH Signal Synchronization - Trancas Canyon Road to John Tyler Drive

**PROJECT NO.:**

**PROJECT TYPE:** TRANSPORTATION

**PROJECT DESCRIPTION:**
The project scope of work includes interconnecting the existing traffic signal system from Trancas Canyon Road to John Tyler Drive. The project shall also develop signal timing plans for weekday and weekend periods, implement timing plans based on time of day or in response to frequently occurring traffic patterns. This project was included in the PCH Safety Study (Priority #2).

### PROJECT/STATUS UPDATE

#### MILESTONES

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#### RECOMMENDED TIME SCHEDULE

#### COST ESTIMATE AND ESTIMATED SCHEDULE

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#### FUTURE OPERATION AND MAINTENANCE COSTS

- **FUTURE YEARS**: $ -
- **NOTES**: 

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38
PROJECT TITLE: PCH Signal Synchronization - Trancas Canyon Road to John Tyler Drive

PROJECT NO.: TBD
PROJECT TYPE: TRANSPORTATION
**PROJECT TITLE:** PCH Traffic Striping Modifications  

**PROJECT NO.:** TBD  
**PROJECT TYPE:** TRANSPORTATION  

**PROJECT DESCRIPTION:** This project consists of upgrading the traffic stripe width to 6-inch standard bike lane stripe to provide bike lane markings where parking is prohibited. An 8-inch stripe, as used for turn lane striping, may also be considered. Do not designate as bike lane unless parking prohibited or width allows room for bikes and parking. This project was identified in the PCH Safety Study (Priority #3 and #5).

**MILESTONES**

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**RECOMMENDED TIME SCHEDULE**

**COST ESTIMATE AND ESTIMATED SCHEDULE**

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**FUTURE OPERATION & MAINTENANCE COSTS:**

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PROJECT LOCATION THROUGHOUT THE CITY
3. Drainage

This category of projects addresses infrastructure needs to alleviate flooding and improve storm water quality. Storm water quality is becoming increasingly important as the permit requirements of the National Pollutant Discharge Elimination System (NPDES) have become more stringent. Projects include storm drain repairs and upgrades, trash capture devices, and water quality projects that have been identified in the City’s Enhance Watershed Management Plan (EWMP).

The five projects under this section include:

- Civic Center Storm Drain Improvements
- Latigo Canyon BMPs
- Marie Canyon Greet Streets
- Stormdrain Trash Screens
- Sweetwater Canyon BMPs
### PROJECT TITLE: Civic Center Storm Drain Improvements

**PROJECT NO.:** 9070  
**PROJECT TYPE:** DRAINAGE

**PROJECT DESCRIPTION:**  
This project consists of storm drain improvements in the Civic Center area. The improvements will promote the flow and circulation of stormwater into Legacy Park.

**PROJECT STATUS UPDATE:**

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#### FUTURE OPERATION AND MAINTENANCE COSTS

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**PROJECT TITLE:** Latigo Canyon BMPs

**PROJECT NO.:** TBD

**PROJECT TYPE:** DRAINAGE

**PROJECT DESCRIPTION:**
The project scope of work includes treating approximately 2.5 acres of storm water in the Latigo Canyon Area. Prior to the start of final design, preliminary water quality sampling will be conducted to determine the final design of the project. This project is included in the Enhanced Watershed Management Program (EWMP).

**PROJECT/STATUS UPDATE**

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**RECOMMENDED TIME SCHEDULE**

**COST ESTIMATE AND ESTIMATED SCHEDULE**

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**FUTURE OPERATION AND MAINTENANCE COSTS**

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MAP TO BE INSERTED AT A LATER DATE
**PROJECT TITLE:**  Marie Canyon Green Streets  

**PROJECT NO.:**  9072  

**PROJECT TYPE:**  DRAINAGE  

**PROJECT DESCRIPTION:**  
The Enhanced Watershed Management Program identified the Marie Canyon as an area for the installation of biofilters and other devices to capture and treat stormwater and comply with the City's MS4 Discharge Permit TMDL requirements.  

**PROJECT/STATUS UPDATE**  

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PROJECT TITLE: Marie Canyon Green Streets

PROJECT NO.: 9072
PROJECT TYPE: DRAINAGE
**PROJECT TITLE:** Stormdrain Trash Screens

**PROJECT NO.:** 9073  
**PROJECT TYPE:** DRAINAGE

**PROJECT DESCRIPTION:**
The installation of trash screens on existing catch basins in locations where trash could be discharged into the ocean.

### PROJECT/STATUS UPDATE

### RECOMMENDED TIME SCHEDULE

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### SOURCE OF FUNDS:

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<th>ESTIMATED COSTS THRU 6/31/19</th>
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<th>2 FY 2020-21</th>
<th>3 FY 2021-22</th>
<th>4 FY 2022-23</th>
<th>5 FY 2023-24</th>
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</tr>
<tr>
<td>PROJECT TYPE:</td>
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LOCATIONS AT VARIOUS LOCATIONS THROUGHOUT THE CITY
**PROJECT TITLE:** Sweetwater Canyon BMPs

**PROJECT NO.:** TBD  
**PROJECT TYPE:** DRAINAGE

**PROJECT DESCRIPTION:**
The project scope of work includes treating approximately 2.5 acres of storm water in the Sweetwater Canyon Area. Prior to the start of final design, preliminary water quality sampling will be conducted to determine the final design of the project. This project is included in the Enhanced Watershed Management Program (EWMP).

**PROJECT STATUS UPDATE**

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**RECOMMENDED TIME SCHEDULE**

**COST ESTIMATE AND ESTIMATED SCHEDULE**

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<tr>
<th>PROJECT SEGMENT:</th>
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**SOURCE OF FUNDS**

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**FUTURE OPERATION AND MAINTENANCE COSTS**

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</table>
PROJECT TITLE: Sweetwater Canyon BMPs

PROJECT NO.: TBD
PROJECT TYPE: DRAINAGE

FINAL LOCATATION OF BMP TO BE DETERMINED
4. Wastewater and Recycled Water
This category of projects addresses the infrastructure needs to construct the Civic Center Wastewater Treatment Facility, Phase 1 and 2, and the City’s Sewer Lateral Connection project. Future projects under this section will include the infrastructure needs that support the operation and maintenance of the City’s wastewater and recycled water systems.

The following is a summary of the project under this section:

- Civic Center Wastewater Treatment Facility – Phase 2
# Civic Center Water Treatment Facility - Phase 2

**Project No.:** 9075  
**Project Type:** Wastewater and Recycled Water

## Project Description:
This project consists of expanding the Civic Center Water Treatment Facility from 190,000 gallons per day to 350,000 gallons per day. This expansion is to include those properties identified in the Phase 2 prohibition zone. Also included in this phase of the project is the collection system and pump stations.

## Milestones
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## Recommended Time Schedule

## Cost Estimate and Estimated Schedule

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<tr>
<th>Project Segment</th>
<th>Prior Year Estimated Cost</th>
<th>Current Year Estimated Cost</th>
<th>Estimated Costs Thru 6/30/19</th>
<th>1 FY 2019-20</th>
<th>2 FY 2020-21</th>
<th>3 FY 2021-22</th>
<th>4 FY 2022-23</th>
<th>5 FY 2023-24</th>
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## Source of Funds

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<thead>
<tr>
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## Future Operation and Maintenance Costs

<table>
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<tr>
<th>Future Years</th>
<th>Notes: Yearly operation and maintenance costs to operate the wastewater and recycled water treatment facility, pump stations, wastewater collection system and recycled water system. These costs will be reimbursed through the wastewater and recycled water rates. $2,000,000</th>
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</table>
5. Facilities
Facility projects in this category relate to major maintenance on City-owned buildings, including City Hall, the Civic Center Storm Drain Treatment Facility, and the Paradise Cove Storm Drain Treatment Facility. Preventative maintenance is critical to effectively maintain these buildings and prevent greater expenses in the future. Other goals include reducing energy costs and creating more sustainable facilities.

The four projects under this section include:

- City Hall Roof Replacement Project
- City Hall Solar Power Project
- Malibu Community Labor Exchange Trailer
- Electric Vehicle Charging Stations
**PROJECT TITLE:** City Hall Roof Replacement Project

**PROJECT NO.:** 9079  
**PROJECT TYPE:** FACILITIES

**PROJECT DESCRIPTION:**
This project consists of replacing the existing roof at City Hall.

### RECOMMENDED TIME SCHEDULE

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### COST ESTIMATE AND ESTIMATED SCHEDULE

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<tr>
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### SOURCE OF FUNDS

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### FUTURE OPERATION AND MAINTENANCE COSTS

**FUTURE YEARS:**

- $ -

**NOTES:**

- $ -
PROJECT TITLE: City Hall Roof Replacement Project

PROJECT NO.: 9079
PROJECT TYPE: FACILITIES
## Project Title:
City Hall Solar Power Project

### Project No.: 9078

### Project Type: Facilities

### Project Description:
This project will include the installation of a solar power system at City Hall. This will include facilities that could be used to charge electric vehicles as well as reduce the City's overall electricity consumption.

### Project/Status Update

### Recommended Time Schedule

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### Cost Estimate and Estimated Schedule

<table>
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### Source of Funds

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<tr>
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<th>Current Year Estimated Cost</th>
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### Future Operation and Maintenance Costs:

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<th>Notes: The solar panels will require yearly preventive maintenance. Cleaning of dust etc. Batteries and charge controllers commonly replaced.</th>
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<tr>
<td><strong>Future Years:</strong> 20,000</td>
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59
## PROJECT TITLE: City Hall Solar Power Project

<table>
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<tbody>
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<td>PROJECT TYPE:</td>
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[Image of aerial view of City Hall area with a marked proposed location]
**PROJECT TITLE:** Malibu Community Labor Exchange Trailer

**PROJECT NO.:** 9065  
**PROJECT TYPE:** FACILITIES

**PROJECT DESCRIPTION:**
This project consists of installing a new Labor Exchange Trailer behind the County of Los Angeles building at 23519 Civic Center Way.

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### PROJECT/STATUS UPDATE

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### RECOMMENDED TIME SCHEDULE

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### COST ESTIMATE AND ESTIMATED SCHEDULE

#### PROJECT SEGMENT:

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<th>CURRENT YEAR ESTIMATED COST</th>
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### SOURCE OF FUNDS

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### FUTURE OPERATION AND MAINTENANCE COSTS

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**PROJECT TITLE:** Electric Vehicle Charging Stations

**PROJECT NO.:** 9084  
**PROJECT TYPE:** FACILITIES

**PROJECT DESCRIPTION:**  
This project will upgrade the existing electric vehicle charging stations on Civic Center Way and additional stations on Civic Center Way and at Bluff’s Park.

**PROJECT/STATUS UPDATE**

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**RECOMMENDED TIME SCHEDULE**

**COST ESTIMATE AND ESTIMATED SCHEDULE**

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**FUTURE OPERATION AND MAINTENANCE COSTS**

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63
PROJECT TITLE: Electric Vehicle Charging Stations

PROJECT NO.: 9084
PROJECT TYPE: FACILITIES

Legend

Electric Vehicle Charging Stations

Bluff's Park
Civic Center Way
Webb Way
6. Disaster Repair
On November 9, 2018, the Woolsey Fire entered the City limits. On November 12, 2019 the President declared a major disaster for the Woolsey Fire (DR4407) making federal disaster aid available to Los Angeles, Ventura, and Butte County. After the Woolsey Fire was extinguished, the City also suffered from unprecedented rainfall from December through February 2019. The City has been working with Federal Emergency Management Agency (FEMA) and California Governor’s Office of Emergency Services (CalOES) representatives to apply for and receive federal disaster aid. In addition to direct relief for emergency response and damaged infrastructure, FEMA provides funding for potential hazard mitigation projects. The following is a summary of fifteen projects under this section.

The fifteen projects under this section include:

- Malibu Road Drainage Improvements
- Westward Beach Road Shoulder Improvements
- Latigo Canyon Road Roadway/Retaining Wall Improvements
- Trancas Canyon Park Planting and Irrigation Improvements
- Trancas Canyon Park Slope Improvements
- Birdview Avenue Road Embankment Improvements
- Encinal Canyon Road Drainage and Erosion Improvements
- Broad Beach Road Water Quality Improvements
- Latigo Canyon Road Drainage and Erosion Improvements
- Corral Canyon Road Culvert Improvements
- Guardrail Replacement Citywide
- Clover Heights Storm Drain Improvements
- Corral Canyon Road Roadway/Retaining Wall Improvements
- Latigo Canyon Road Culvert Improvements
- Corral Canyon Road Bridge Improvements
**PROJECT TITLE:** Malibu Road Drainage Repairs

**PROJECT NO.:** 9215  
**PROJECT TYPE:** DISASTER REPAIR

**PROJECT DESCRIPTION:**
This project consists of repairing culverts, drains, and erosion on Malibu Road that were damaged by the severe storm events.

**PROJECT/STATUS UPDATE**
Result of the Severe Storm - CalOES Project, Inspectors need to confirm damage before project moves forward.

**MILESTONES**

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**RECOMMENDED TIME SCHEDULE**

**COST ESTIMATE AND ESTIMATED SCHEDULE**

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**FUTURE OPERATION AND MAINTENANCE COSTS**

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PROJECT TITLE: Malibu Road Drainage Repairs

PROJECT NO.: 9215
PROJECT TYPE: DISASTER REPAIR

Legend
- Malibu Road Drainage Repairs

Pacific Coast Highway
Malibu Road
**PROJECT TITLE:** Westward Beach Road Shoulder Repairs

**PROJECT NO.:** 9216

**PROJECT TYPE:** DISASTER REPAIRS

**PROJECT DESCRIPTION:**
This project consists of repairing the shoulder where erosion was discovered after the recent severe storm events on Westward Beach Road.

**PROJECT/STATUS UPDATE**
Result of the Severe Storm - CalOES Project. Inspectors need to confirm damage before project moves forward.

**RECOMMENDED TIME SCHEDULE**

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**FUTURE OPERATION AND MAINTENANCE COSTS**

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PROJECT TITLE: Westward Beach Road Shoulder Repairs

PROJECT NO.: 9216
PROJECT TYPE: DISASTER REPAIRS
PROJECT TITLE: Latigo Canyon Road Roadway/Retaining Wall Improvements

PROJECT NO.: 9207
PROJECT TYPE: DISASTER REPAIR

PROJECT DESCRIPTION:
This project consists of repairing the roadway and existing timber retaining walls on Latigo Canyon Road that were damaged during the Woolsey Fire.

PROJECT/STATUS UPDATE
Result of the Woolsey Fire - FEMA Project. Inspectors need to confirm damage before project moves forward.

RECOMMENDED TIME SCHEDULE

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COST ESTIMATE AND ESTIMATED SCHEDULE

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SOURCE OF FUNDS

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FUTURE OPERATION AND MAINTENANCE COSTS

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PROJECT TITLE: Latigo Canyon Road Roadway/Retaining Wall Improvements

PROJECT NO.: 9207
PROJECT TYPE: DISASTER REPAIR
**PROJECT TITLE:** Trancas Canyon Park Planting and Irrigation Repairs

**PROJECT NO.:** 9209

**PROJECT TYPE:** DISASTER REPAIR

**PROJECT DESCRIPTION:**
This project consists of repairing the damaged planting and irrigation system that was destroyed by the Woolsey Fire. This project also includes the repair of the septic system equipment in Trancas Canyon Park.

**PROJECT/STATUS UPDATE**
Result of the Woolsey Fire - FEMA Project. Inspectors need to confirm damage before project moves forward.

### RECOMMENDED TIME SCHEDULE

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### FUTURE OPERATION AND MAINTENANCE COSTS

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PROJECT TITLE: Trancas Canyon Park Slope Stabilization Project

PROJECT NO.: 9210
PROJECT TYPE: DISASTER REPAIR

PROJECT DESCRIPTION:
The project consists of repairing the existing slope east of Trancas Canyon Park. The Woolsey Fire damaged the existing slope causing stability issues from soil and rock erosion and damaged concrete benching.

PROJECT/STATUS UPDATE
Result of the Woolsey Fire - FEMA Project. Inspectors need to confirm damage before project moves forward.

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<th>FUTURE OPERATION &amp; MAINTENANCE COSTS</th>
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<td>FUTURE YEARS</td>
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PROJECT TITLE: Trancas Canyon Park Slope Stabilization Project

PROJECT NO.: 9210
PROJECT TYPE: DISASTER REPAIR
**PROJECT TITLE:** Birdview Avenue Embankment Repairs

**PROJECT NO.:** 9211  
**PROJECT TYPE:** DISASTER REPAIR

**PROJECT DESCRIPTION:**
This project consists of repairing the roadway embankments on Birdview Avenue. The existing roadway embankments were eroded from the severe storm event.

**PROJECT/STATUS UPDATE:**
Result of the Severe Storm - CalOES Project. Inspectors need to confirm damage before project moves forward.

### RECOMMENDED TIME SCHEDULE

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### COST ESTIMATE AND ESTIMATED SCHEDULE

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PROJECT TITLE: Encinal Canyon Road Drainage and Erosion Improvements

PROJECT NO.: 9213
PROJECT TYPE: DISASTER REPAIR

PROJECT DESCRIPTION:
This project is located on Encinal Canyon Road where minor erosion areas were discovered after the severe storm events. This project will consist of repairing the minor erosion areas and improving the drainage.

PROJECT/STATUS UPDATE
Result of the Severe Storm - CalOES Project. Inspectors need to confirm damage before project moves forward.

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FUTURE OPERATION & MAINTENANCE COSTS:

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</table>
PROJECT TITLE: Encinal Canyon Road Drainage and Erosion Improvements

PROJECT NO.: 9213
PROJECT TYPE: DISASTER REPAIR

Legend
- Encinal Canyon Road Drainage and Erosion Improvements
- Malibu City Boundary

Map showing the location of Encinal Canyon Road and its relation to the Pacific Coast Highway.
**PROJECT TITLE:** Broad Beach Road Water Quality Infrastructure Repairs

**PROJECT NO.:** 9212  **PROJECT TYPE:** DISASTER REPAIR

**PROJECT DESCRIPTION:** The City owns several hundred feet (~800') of water quality permeable pavers, landscaping, underground infiltration devices, media, filter units that have been damaged by silt, mud, debris. These devices were installed in 2015/16 as part of a Clean Water Grant by the State. This project consists of repairing permeable pavers, replacement of media material in the biofilters and replacing damaged landscape.

**PROJECT/STATUS UPDATE**
Result of the Severe Storm - CalOES Project. Inspectors need to confirm damage before project moves forward.

### RECOMMENDED TIME SCHEDULE

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### COST ESTIMATE AND ESTIMATED SCHEDULE

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### FUTURE OPERATION AND MAINTENANCE COSTS

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PROJECT TITLE: Broad Beach Road Water Quality Infrastructure Repairs

PROJECT NO.: 9212
PROJECT TYPE: DISASTER REPAIR

Legend

- Broad Beach Road Water Quality Improvements

Broad Beach Road
Pacific Coast Highway
PROJECT TITLE: Latigo Canyon Road Drainage and Erosion Improvements

PROJECT NO.: 9214
PROJECT TYPE: DISASTER REPAIR

PROJECT DESCRIPTION:
Approximately 1500 linear feet on Latigo Canyon Road, erosion was discovered after severe storm events. This project consists of repairing erosion on embankments and improving drainage.

PROJECT/STATUS UPDATE
Result of the Severe Storm - CalOES Project. Inspectors need to confirm damage before project moves forward.

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**PROJECT TITLE:** Corral Canyon Road Culvert Repairs  
**PROJECT NO.:** 9202  
**PROJECT TYPE:** DISASTER REPAIR

**PROJECT DESCRIPTION:**
This project is located several hundred feet up Corral Canyon Road where there is a new depression in the pavement surface that was discovered after the Woolsey Fire. The pipe appears to have been damaged or partially collapsed. This project will include replacing the culvert and drainage inlet and repairing the pavement.

**PROJECT/STATUS UPDATE**
Result of the Woolsey Fire - FEMA Project. Inspectors need to confirm damage before project moves forward.

### RECOMMENDED TIME SCHEDULE

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### COST ESTIMATE AND ESTIMATED SCHEDULE

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### FUTURE OPERATION & MAINTENANCE COSTS

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PROJECT TITLE: Corral Canyon Road Culvert Repairs

PROJECT NO.: 9202
PROJECT TYPE: DISASTER REPAIR
**PROJECT TITLE:** Guardrail Replacement Citywide

**PROJECT NO.:** 9203  
**PROJECT TYPE:** DISASTER REPAIR

**PROJECT DESCRIPTION:**
This project consists of replacing all the damaged guardrails on Encina Road, Birdview Avenue, Wildlife Road, Latigo Canyon Road, Corral Canyon Road, and Kanan Dune Road caused by the Woolsey Fire.

**PROJECT/STATUS UPDATE**
Result of the Woolsey Fire - FEMA/LACounty Project.

### RECOMMENDED TIME SCHEDULE

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86
## Project Title: Clover Heights Storm Drain Improvements

### Project No.: 9204  
Project Type: Disaster Repair

### Project Description:
This project consists of the design and construction to improve drainage from Harvester Road to Clover Heights Avenue.

### Project/Status Update:
Result of the Severe Storm - HMGP / CalOES Project: Inspectors need to confirm damage before project moves forward.

### Recommended Time Schedule

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### Cost Estimate and Estimated Schedule

#### Project Segment:

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### Source of Funds

#### HMGP Program (75%)

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<th>FY 2019-20</th>
<th>FY 2020-21</th>
<th>FY 2021-22</th>
<th>FY 2022-23</th>
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### Future Operation and Maintenance Costs

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PROJECT TITLE: Clover Heights Storm Drain Improvements

PROJECT NO.: 9204
PROJECT TYPE: DISASTER REPAIR
PROJECT TITLE: Corral Canyon Road Stabilization Project

PROJECT NO.: 9205
PROJECT TYPE: DISASTER REPAIR

PROJECT DESCRIPTION:
This project located near the top of the City-owned portion of Corral Canyon Road. The edge of the pavement has eroded into the adjacent embankment due to the Woolsey Fire. The dirt shoulder has eroded along with all vegetation exposing the roadway stability. This project consists of stabilizing the roadway and eroded slope.

PROJECT STATUS UPDATE
Result of the Woolsey Fire - FEMA Project. Inspectors need to confirm damage before project moves forward.

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<td>FUTURE YEARS</td>
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NOTES:
**PROJECT TITLE:** Latigo Canyon Road Culvert Repairs

**PROJECT NO.:** 9206  
**PROJECT TYPE:** DISASTER REPAIR

**PROJECT DESCRIPTION:**
This project consists of repairing the existing storm drain culvert on Latigo Canyon Road located approximately 2,500 feet from PCH that was damaged by the Woolsey Fire. The project also includes the repair of the existing damaged embankments and safety fencing.

**PROJECT/STATUS UPDATE**
Result of the Woolsey Fire - FEMA Project. Inspectors need to confirm damage before project moves forward.

### RECOMMENDED TIME SCHEDULE

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<th>3 FY 2021-22</th>
<th>4 FY 2022-23</th>
<th>5 FY 2023-24</th>
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<th>TOTAL PROJECT COST</th>
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<th>5 FY 2023-24</th>
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## PROJECT TITLE:
Corral Canyon Road Bridge and Shoulder Repairs

### PROJECT NO.:
9201

### PROJECT TYPE:
DISASTER REPAIR

### PROJECT DESCRIPTION:
This project consists of replacing fire damaged existing fencing, repairing the shoulder embankment that is causing soil and rock erosion along the wing-walls of the bridge on Corral Canyon Road.

### PROJECT/STATUS UPDATE:
Result of the Woolsey Fire - FEMA Project. Inspectors need to confirm damage before project moves forward.

### RECOMMENDED TIME SCHEDULE

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### COST ESTIMATE AND ESTIMATED SCHEDULE

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### FUTURE OPERATION & MAINTENANCE COSTS

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94
PROJECT TITLE: Corral Canyon Road Bridge and Shoulder Repairs

PROJECT NO.: 9201
PROJECT TYPE: DISASTER REPAIR
## Appendix A – Funding Per Year

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<tr>
<th>2019-24 CIP Work Plan Projects</th>
<th>Total Project Estimate</th>
<th>1 FY 2019-2020 (Total Costs)</th>
<th>2 FY 2020-21 (Total Costs)</th>
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Total: $125,232,973 | $11,732,965 | $30,616,807 | $19,875,066 | $35,690,000 | $23,644,000
### Appendix B – Funding Source

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<td><strong>$11,732,965</strong></td>
<td><strong>$30,616,807</strong></td>
<td><strong>$19,875,066</strong></td>
<td><strong>$35,690,000</strong></td>
<td><strong>$23,644,000</strong></td>
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Appendix C – Completed Projects

1995
Pavement Rehabilitation 1995
Fire Area Pavement Rehabilitation

1996
Bus Bench Removal and Replacement Project 96-01
Bus Bench Removal and Replacement Project 96-02
Las Flores Canyon Road Bridge Replacement

1997
Fire Area Pavement Rehabilitation Safety Striping Services

1998
Annual Pavement Rehabilitation Citywide Striping

1999
Calle Del Barco Access Restoration Phase 1 - Rambla Orienta Retaining Wall
Malibu Bluffs Park Renovation
Skate Park

2000
Annual Pavement Rehabilitation
Calle Del Barco Access Restoration Phase 2
Vantage Point Slope Repair and Wall
Compressed Natural Gas Fueling Station
Kanan Dume Road Reconstruction
Access Ramps 911 Signs

2001
Curb Ramp Installation
Cliffside Drive Parking Improvements EV Chargers
Morning View Drive Sidewalk Improvements Phase 1
Malibu Lagoon Stormceptor
Charmlee Mobile home

2002
Traffic Information and Emergency Radio Project
Annual Pavement Rehabilitation
Corral Canyon Roadway Reconstruction

2003
Annual Pavement Rehabilitation Project FY2002-2003
Civic Center Way Cul-da-sac Project
Morning View Drive Sidewalk Improvements Phase 2
Charmlee Park Trail
Senior Center

2004
Malibu Road Drainage Project

2005
Zumirez Drive Realignment Project
Birdview Avenue Storm Drain Replacement Project
Fernhill Drive Storm Drain Replacement Project
2006
Civic Center Way Traffic Improvements Phase 1 - Traffic Signal at Winter Canyon
Rambla Vista (West End) Debris Wall at 21651 Rambla Vista Road

2007
Civic Center Stormwater Treatment Facility
Point Dume Safe Routes to School Walkway Project
Speed Advisory Signs on PCH Project
Rambla Vista Road Retaining Debris Wall and Roadway Improvements (East End)
Corral Canyon Road Remedial Roadway Restoration Project
Latigo Canyon Road Retaining Wall and Roadway Improvements Project
Encinal Canyon Road Debris Wall and Roadway Improvements Project

2008
Cross Creek Road Improvements Project
Las Flores Creek Restoration and Park Project Phase 1
Solstice Creek Bridge Replacement Project

2009
Corral Canyon Traffic Signal Project
Broad Beach Road Overlay Project

2010
Paradise Cove Stormwater Treatment Facility
Malibu Canyon Road Improvements and Reconstruction Project
2011
Legacy Park
Trancas Canyon Park EV Chargers

2013
Malibu Library Improvements Project
Malibu City Hall Renovations Project
Fiscal Year 2012-2013 Street Maintenance Project

2014
Fiscal Year 2014-2015 Street Maintenance Project

2015
Pacific Coast Highway Bike Route Improvements Project
Wildlife Road Storm Drain Improvements Project
Broad Beach Road Biofiltration Project
Pacific Coast Highway and Kanan Dume Road Intersection and Arrestor Bed Improvements
Pacific Coast Highway Bus Stop Improvements Project
Pacific Coast Highway and Big Rock Drive Intersection Improvements Project
Council Chambers Broadcast Upgrade
Fiscal Year 2014-2015 Street Maintenance Project

2016
Las Flores Creek Restoration and Park Project - Phase 2
Las Flores Canyon Road and Malibu Road Biofilters Project
Fiscal Year 2015-2016 Street Maintenance Project
2017
Paradise Cove Stormwater Facility Filter Media Replacement Project
Point Speed Advisory Signs
Bus Stop Shelters Project
Malibu Road Beach Access Fence Replacement Project
Fiscal Year 2016-2017 Street Maintenance Project

2018
Civic Center Water Treatment Facility – Phase I
Civic Center Water Treatment Facility – Lateral Connections

2019
Civic Center Flow Sensors
Fiscal Year 2017-2018 Street Maintenance Project
## Appendix D – Potential Projects

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<thead>
<tr>
<th>Project Name</th>
<th>Source</th>
<th>Description</th>
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<td>Webb Way</td>
<td>PCH Safety Study</td>
<td>Modify signal phasing so vehicles turning through crosswalk do not conflict with pedestrians</td>
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<tr>
<td>Corridor wide</td>
<td>PCH Safety Study</td>
<td>Increase law enforcement efforts for vehicles traveling over speed limit</td>
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<tr>
<td>Corridor wide</td>
<td>PCH Safety Study</td>
<td>Detailed evaluation of beach parking areas to determine if additional off-street parking can be achieved</td>
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<tr>
<td>Cross Creek Rd.</td>
<td>PCH Safety Study</td>
<td>Restripe intersection to provide northbound right turn lane and move shoulder line over north of the intersection</td>
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<tr>
<td>Serra Rd. to Carbon Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Narrow travel lanes and center turn lane slightly through central Malibu to provide wider shoulder.</td>
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<td>Crosswalk between McDonald's and Busch Realty</td>
<td>PCH Safety Study</td>
<td>Change the uncontrolled crosswalk with warning lights to a HAWK pedestrian signal with median refuge and potential curb extensions.</td>
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<tr>
<td>Corridor wide</td>
<td>PCH Safety Study</td>
<td>Increase distance to advance detection to meet spacing requirements for prevailing speeds to reduce acceleration needed to stop</td>
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<tr>
<td>Corridor wide</td>
<td>PCH Safety Study</td>
<td>Install post delineators on outside of curves north of John Tyler Drive where feasible, per Caltrans standard spacing guidelines, especially where adjacent land is undeveloped or installation of delineators is well suited.</td>
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<td>Broad Beach Rd. North to Trancas Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Consider extruded concrete median where median is less than 10 feet wide.</td>
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<td>Trancas Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Modify signal phasing to allow left turns onto Trancas from PCH when crosswalk is active.</td>
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<tr>
<td>Trancas Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Construct northbound right-turn lane and bike channel onto Trancas Canyon Rd., consider installation of right turn arrow for heavy movement.</td>
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<tr>
<td>Project Name</td>
<td>Source</td>
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<tr>
<td>Heathercliff Rd.</td>
<td>PCH Safety Study</td>
<td>Increase the storage length of NBL turns from PCH onto Heathercliff Road by 100’ from 230' to 330’</td>
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<tr>
<td>Paradise Cove Rd.</td>
<td>PCH Safety Study</td>
<td>Widen shoulder on inland side to 12 feet within 500 feet of intersection in both directions, construct 5 foot wide sidewalk behind seven foot shoulder at intersection</td>
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<td>Escondido Beach Road / Malibu Cove Colony Drive</td>
<td>PCH Safety Study</td>
<td>Increase the storage length of NBL turns from PCH onto Malibu Cove Colony Drive by 100' from 110' to 210'</td>
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<td>Webb Way</td>
<td>PCH Safety Study</td>
<td>Increase the storage length of NBL turns from PCH into Webb Way by eight cars</td>
</tr>
<tr>
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<td>PCH Safety Study</td>
<td>Increase the storage length of SBL turns from PCH into Webb Way by six cars</td>
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<tr>
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<td>PCH Safety Study</td>
<td>Restripe to change acceleration lane to a standard shoulder to discourage merging</td>
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<tr>
<td>Malibu Pier</td>
<td>PCH Safety Study</td>
<td>Establish signal control for southbound left turn</td>
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<tr>
<td>La Costa Beach Club (21440 PCH)</td>
<td>PCH Safety Study</td>
<td>Study feasibility of narrowing the striping in the vicinity of La Costa beach club to widen the shoulders. Consider a raised median area with refuge for the crosswalk and curb extensions in conjunction with potential signalization of the La Costa crosswalk that is planned by the City of Malibu.</td>
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<tr>
<td>Las Flores Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Provide protected left turn arrows from PCH</td>
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<tr>
<td>Moonshadow’s Restaurant</td>
<td>PCH Safety Study</td>
<td>Construct a median in front of Moonshadow’s. Provide left- turn lane at north end of parking area for entry to restaurant. Construct raised median refuge cut out in front of front door so that pedestrians can wait in median.</td>
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<tr>
<td>Pena Rd. Beach Turnout</td>
<td>PCH Safety Study</td>
<td>Construct raised median for PCH with turn pocket into the north end of the turnout area. Median will prevent left turns into or from south end of the turnout area, so that traffic must turn right and make U-turns around the median area. Study area closely in upcoming parking study to maximize parking yield.</td>
</tr>
<tr>
<td>Project Name</td>
<td>Source</td>
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</tr>
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<tr>
<td>Corridor wide</td>
<td>PCH Safety Study</td>
<td>Create bicycle hotline to report roadway deficiencies</td>
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<tr>
<td>Webb Way to Las Flores Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Evaluate vehicle speeds to determine if lower speed limit is warranted</td>
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<td>La Piedra Beach Rd.</td>
<td>PCH Safety Study</td>
<td>Consider restriping to widen shoulders by narrowing lanes to permit parking and provide buffer area.</td>
</tr>
<tr>
<td>Morning View Dr.</td>
<td>PCH Safety Study</td>
<td>Extend right turn lane from PCH onto Morning View Dr., consider installing a right turn arrow for this heavy movement</td>
</tr>
<tr>
<td>Bonsall Dr.</td>
<td>PCH Safety Study</td>
<td>If shifting alignment is not possible, convert intersection approach to a right-in, right-out only and trim back vegetation to improve motorists’ sight distance towards the south. Restripe PCH to restore inland shoulder</td>
</tr>
<tr>
<td>Heathercliff Rd.</td>
<td>PCH Safety Study</td>
<td>Relocate crosswalk to other side of intersection and re-phase signal for pedestrian movements</td>
</tr>
<tr>
<td>Heathercliff Rd.</td>
<td>PCH Safety Study</td>
<td>Widen right turn lane to allow dashed bike stripe</td>
</tr>
<tr>
<td>Kanan Dume Rd.</td>
<td>PCH Safety Study</td>
<td>Modify signal phasing at intersection to allow more time for the left-turn onto Kanan Dume Rd.</td>
</tr>
<tr>
<td>Zumirez Dr.</td>
<td>PCH Safety Study</td>
<td>Restripe Zumirez signal to restore shoulder to inland side by narrowing travel lanes, removing the wide median nose stripe, maintain right turn lane</td>
</tr>
<tr>
<td>Paradise Cove Rd.</td>
<td>PCH Safety Study</td>
<td>Modify signal phasing to eliminate pedestrian-vehicle conflict for northbound vehicles turning left onto PCH</td>
</tr>
<tr>
<td>470' west of Escondido Beach Road / Malibu Cove Colony Drive</td>
<td>PCH Safety Study</td>
<td>Construct a permanent raised median in the double-yellow area before and after Geoffrey’s for approximately 1800 feet.</td>
</tr>
<tr>
<td>Escondido Beach Road / Malibu Cove Colony Drive</td>
<td>PCH Safety Study</td>
<td>Install pedestrian crossing sign and flashers</td>
</tr>
<tr>
<td>John Tyler Dr.</td>
<td>PCH Safety Study</td>
<td>Modify signal to provide protected left-turn phase to turn onto John Tyler from PCH</td>
</tr>
<tr>
<td>John Tyler Dr.</td>
<td>PCH Safety Study</td>
<td>Restripe the acceleration lane on the inland side as a full shoulder</td>
</tr>
<tr>
<td>Project Name</td>
<td>Source</td>
<td>Description</td>
</tr>
<tr>
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</tr>
<tr>
<td>Malibu Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Reconstruct crosswalk ramps to ADA standards at northbound inland corner</td>
</tr>
<tr>
<td>Malibu Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Shorten right-turn lane approaching intersection based upon queuing needs</td>
</tr>
<tr>
<td>Malibu Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Widen right turn lane to provide channel for through bikes</td>
</tr>
<tr>
<td>1700' west of Webb Way</td>
<td>PCH Safety Study</td>
<td>Convert free right turn and merge lane from Civic Center Way approximately 1700' west of Webb Way into a yield to turn condition. Restripe shoulder to discourage motorists from merging into northbound traffic</td>
</tr>
<tr>
<td>Webb Way</td>
<td>PCH Safety Study</td>
<td>Reconstruct crosswalk ramps to ADA standards</td>
</tr>
<tr>
<td>Webb Way</td>
<td>PCH Safety Study</td>
<td>Install countdown pedestrian signals</td>
</tr>
<tr>
<td>Cross Creek Rd.</td>
<td>PCH Safety Study</td>
<td>Increase the storage length of SBL turns from PCH into Cross Creek Road by 150' from 300' to 450'</td>
</tr>
<tr>
<td>Serra Rd. to Malibu Pier</td>
<td>PCH Safety Study</td>
<td>Construct continuous raised median and reduce median width to provide wider shoulders</td>
</tr>
<tr>
<td>Malibu Pier</td>
<td>PCH Safety Study</td>
<td>Install pedestrian signal countdown heads</td>
</tr>
<tr>
<td>Carbon Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Restripe right-turn lane on inland side with a shoulder stripe dashed approaching intersection.</td>
</tr>
<tr>
<td>Rambla Pacifico Rd.</td>
<td>PCH Safety Study</td>
<td>Provide protected northbound left-turn phase from PCH into gas station</td>
</tr>
<tr>
<td>Las Flores Canyon Rd. to Rambla</td>
<td>PCH Safety Study</td>
<td>Study to realign across intersections to eliminate broken back striping due to change in median and shoulder widths</td>
</tr>
<tr>
<td>Pacifico Rd.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Las Flores Canyon Rd. to Rambla</td>
<td>PCH Safety Study</td>
<td>Widen bridge over Las Flores Creek to provide sidewalk on ocean side from Rambla Pacifico intersection to Dukes entrance. Maintain sufficient shoulder for bicycling, but utilize surplus area to move signal poles behind curb.</td>
</tr>
<tr>
<td>Pacifico Rd.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Las Flores Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Provide ADA compliant improvements where feasible, including wheelchair ramps and raised curb returns</td>
</tr>
<tr>
<td><strong>Project Name</strong></td>
<td><strong>Source</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
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</tr>
<tr>
<td>Las Flores Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Reconstruct signal to eliminate condition where signal poles are not exposed to traffic on roadway shoulder.</td>
</tr>
<tr>
<td>Las Flores Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Relocate signal detection so that vehicles are less likely to run red lights</td>
</tr>
<tr>
<td>Las Flores Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Relocate crosswalk to eliminate pedestrian-vehicle conflict for Las Flores vehicles turning left onto PCH</td>
</tr>
<tr>
<td>Big Rock Dr.</td>
<td>PCH Safety Study</td>
<td>Install a vehicle head on the 1-A pole in the northeast corner of the intersection for NBT movements</td>
</tr>
<tr>
<td>Big Rock Dr.</td>
<td>PCH Safety Study</td>
<td>Monitor new protected/permissive left turn from PCH for effectiveness</td>
</tr>
<tr>
<td>Big Rock Dr.</td>
<td>PCH Safety Study</td>
<td>Construct raised median east of the intersection for 150 feet</td>
</tr>
<tr>
<td>Corridor wide</td>
<td>PCH Safety Study</td>
<td>Replace blue side-street name signs that intersect PCH with larger letter, more visible signs. Also consider advance street name signs at prominent intersections.</td>
</tr>
<tr>
<td>Encinal Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Restripe northbound right-turn lane as a full shoulder with a dashed bike stripe</td>
</tr>
<tr>
<td>Trancas Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Construct ADA compliant sidewalk and ramps on the inland side for the length of the shopping center and reconstruct inland side driveway to provide appropriate deceleration area</td>
</tr>
<tr>
<td>Trancas Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Reconstruct driveway to provide appropriate deceleration area</td>
</tr>
<tr>
<td>Guernsey Avenue</td>
<td>PCH Safety Study</td>
<td>Provide street light at intersection</td>
</tr>
<tr>
<td>610' east of Westward Beach Rd./Bonsall Dr.</td>
<td>PCH Safety Study</td>
<td>Shift roadway alignment and construct shoulder on inland side from 610' east of Westward Beach to Zuma Beach access overpass by eliminating the center turning lanes</td>
</tr>
<tr>
<td>300' east of Kanan Dume Rd.</td>
<td>PCH Safety Study</td>
<td>Move existing bus stop to Kanan Dume Rd. intersection and provide sidewalk and ADA ramps to accommodate pedestrians</td>
</tr>
<tr>
<td>Project Name</td>
<td>Source</td>
<td>Description</td>
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</tr>
<tr>
<td>820' east of Zumirez Dr. (Pointe Malibu)</td>
<td>PCH Safety Study</td>
<td>Restripe deceleration and acceleration lanes to full shoulders</td>
</tr>
<tr>
<td>Latigo Canyon Drive</td>
<td>PCH Safety Study</td>
<td>Provide street light at intersection</td>
</tr>
<tr>
<td>Latigo Canyon Drive</td>
<td>PCH Safety Study</td>
<td>Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Latigo Canyon Dr.</td>
</tr>
<tr>
<td>Malibu Seafood</td>
<td>PCH Safety Study</td>
<td>Construct a new pedestrian underpass crossing in the close vicinity of Malibu Seafood</td>
</tr>
<tr>
<td>Puerco Canyon Road</td>
<td>PCH Safety Study</td>
<td>Restripe right-turn lane on inland side with a shoulder</td>
</tr>
<tr>
<td>John Tyler Dr.</td>
<td>PCH Safety Study</td>
<td>Eliminate conflict with turning vehicles through crosswalk</td>
</tr>
<tr>
<td>John Tyler Dr.</td>
<td>PCH Safety Study</td>
<td>Construct ADA sidewalk to connect west side crosswalk to bus pad on both sides of PCH</td>
</tr>
<tr>
<td>John Tyler Dr.</td>
<td>PCH Safety Study</td>
<td>Widen right turn lane to allow dashed bike stripe</td>
</tr>
<tr>
<td>Webb Way to 23634 PCH</td>
<td>PCH Safety Study</td>
<td>Stripe a shoulder merge taper line for lane drop, allow parking in this area</td>
</tr>
<tr>
<td>Webb Way</td>
<td>PCH Safety Study</td>
<td>Relocate bus stop nearer to traffic signal</td>
</tr>
<tr>
<td>Webb Way at Civic Center Way</td>
<td>PCH Safety Study</td>
<td>Consider roundabout at this intersection. A single-lane roundabout would suffice</td>
</tr>
<tr>
<td>Cross Creek Rd.</td>
<td>PCH Safety Study</td>
<td>Reconstruct crosswalk ramps to ADA standards</td>
</tr>
<tr>
<td>Malibu Pier</td>
<td>PCH Safety Study</td>
<td>Reconstruct crosswalk ramps to ADA standards, consider relocating bus stop on ocean side to Pier signal</td>
</tr>
<tr>
<td>22730 PCH (McDonald's ped crossing)</td>
<td>PCH Safety Study</td>
<td>Increase width of ADA ramps on both sides as they are quite narrow, this may mean moving the crosswalk to the east by 1' or 2'</td>
</tr>
<tr>
<td>2000' west of Carbon Canyon Road</td>
<td>PCH Safety Study</td>
<td>Consider an installation of a crosswalk and appropriate warning or crossing treatment at this location</td>
</tr>
<tr>
<td>Rambla Vista West</td>
<td>PCH Safety Study</td>
<td>Replace short right-turn lane on inland side with a dashed striped shoulder</td>
</tr>
<tr>
<td>Project Name</td>
<td>Source</td>
<td>Description</td>
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</tr>
<tr>
<td>Rambla Vista East to Rambla Pacifico Road</td>
<td>PCH Safety Study</td>
<td>Study feasibility of narrowing shoulder in front of Rambla Pacifico shopping center to increase area for parking along frontage road. This project should be included in the imminent parking study.</td>
</tr>
<tr>
<td>Las Flores Canyon Rd. to Rambla Pacifico Rd.</td>
<td>PCH Safety Study</td>
<td>Study feasibility to construct bridge connecting Rambla Pacifico to Las Flores Canyon Rd. north of PCH to eliminate the need for the Rambla Pacifico traffic signal</td>
</tr>
<tr>
<td>Las Flores Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Consider widening the shoulder if any surplus width is available in travel lanes or median.</td>
</tr>
<tr>
<td>830' west of Big Rock Dr.</td>
<td>PCH Safety Study</td>
<td>Construct a raised median in area where double-double yellow line exists at the end of the left-turn lane, provide landscaping pockets to obtain limited traffic calming effect from plantings</td>
</tr>
<tr>
<td>Big Rock Dr.</td>
<td>PCH Safety Study</td>
<td>Increase the length of the southbound left-turn lane on PCH to 200 feet with a 90 feet transition by striping change</td>
</tr>
<tr>
<td>Big Rock Dr.</td>
<td>PCH Safety Study</td>
<td>Construct a curb return with ADA ramp so that the traffic poles can be located behind it, narrow the opening and tighten up the radius so the curb return is on top of the existing pavement</td>
</tr>
<tr>
<td>Big Rock Drive to Pena Road</td>
<td>PCH Safety Study</td>
<td>Restripe to narrow median where k rail occupies shoulder in this area</td>
</tr>
<tr>
<td>Decker Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Decker Canyon Rd.</td>
</tr>
<tr>
<td>El Pescador Beach Rd.</td>
<td>PCH Safety Study</td>
<td>Provide street light at beach access</td>
</tr>
<tr>
<td>Encinal Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Install street light at intersection</td>
</tr>
<tr>
<td>El Matador Beach Rd.</td>
<td>PCH Safety Study</td>
<td>Provide street light at beach access</td>
</tr>
<tr>
<td>Lunita Rd.</td>
<td>PCH Safety Study</td>
<td>Install street light at intersection</td>
</tr>
<tr>
<td>Lunita Rd.</td>
<td>PCH Safety Study</td>
<td>Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Lunita Rd.</td>
</tr>
<tr>
<td>Project Name</td>
<td>Source</td>
<td>Description</td>
</tr>
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</tr>
<tr>
<td>Busch Dr.</td>
<td>PCH Safety Study</td>
<td>Construct fourth leg of intersection to provide direct access to Zuma Beach and connection across creek to Westward Beach Rd. Permits elimination of existing northbound left-turn lane from PCH to Westward Beach and allows restoration of</td>
</tr>
<tr>
<td>Escondido Beach Road / Malibu Cove Colony Drive</td>
<td>PCH Safety Study</td>
<td>Install street light at intersection on inland side</td>
</tr>
<tr>
<td>Latigo Shores Drive / Seagull Way</td>
<td>PCH Safety Study</td>
<td>Provide street light at intersection</td>
</tr>
<tr>
<td>Latigo Shores Drive / Seagull Way</td>
<td>PCH Safety Study</td>
<td>Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Latigo Shores Dr.</td>
</tr>
<tr>
<td>Corral Canyon Rd. to Puerco Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Widen shoulder on inland side where parking occupies the entire shoulder. Reconstruct the median to provide full height curb. Opportunity to narrow median and increase shoulder width is possible.</td>
</tr>
<tr>
<td>John Tyler Dr.</td>
<td>PCH Safety Study</td>
<td>Remove obstruction (median curb) in crosswalk for both the east and west legs</td>
</tr>
<tr>
<td>John Tyler Dr.</td>
<td>PCH Safety Study</td>
<td>Restripe to eliminate right turn from center lane. Double right turn through crosswalk is not justified by right turn volume</td>
</tr>
<tr>
<td>Malibu Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Install bus stop on PCH</td>
</tr>
<tr>
<td>Malibu Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Winter Mesa Dr.</td>
</tr>
<tr>
<td>Webb Way</td>
<td>PCH Safety Study</td>
<td>Remove median curb obstruction to straighten crosswalk</td>
</tr>
<tr>
<td>Malibu Rd. to Cross Creek Rd.</td>
<td>PCH Safety Study</td>
<td>Build sidewalk behind trees on ocean side from Cross Creek Rd. to Malibu Rd.</td>
</tr>
<tr>
<td>22333 PCH (Busch Realty ped crossing)</td>
<td>PCH Safety Study</td>
<td>Move obstructing signal controller to improved location (it's in the middle of the sidewalk, with a less than 5' ADA approved clearance on either side)</td>
</tr>
<tr>
<td>Las Flores Canyon Rd. to Rambla Pacifico Rd.</td>
<td>PCH Safety Study</td>
<td>Consider narrowing openings for Las Flores and Rambla Pacifico approaches.</td>
</tr>
<tr>
<td>Project Name</td>
<td>Source</td>
<td>Description</td>
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</tr>
<tr>
<td>Topanga Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Upgrade signal system and conduct study to develop weekend timing plan that optimizes southbound flow along PCH based upon summer and weekend traffic counts.</td>
</tr>
<tr>
<td>El Matador Beach</td>
<td>PCH Safety Study</td>
<td>Consider possibility to enlarge parking lot.</td>
</tr>
<tr>
<td>Trancas Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Provide a sidewalk from shopping center and construct new pedestrian underpass crossing to beach.</td>
</tr>
<tr>
<td>Paradise Cove Rd.</td>
<td>PCH Safety Study</td>
<td>Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Paradise Cove Rd.</td>
</tr>
<tr>
<td>Corral Canyon Rd. to Beach Access</td>
<td>PCH Safety Study</td>
<td>Construct complete pedestrian walkway on ocean side from Corral Canyon Rd. signal to beach property</td>
</tr>
<tr>
<td>Malibu Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Restore shoulder stripe west of the intersection.</td>
</tr>
<tr>
<td>Malibu Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Provide ADA access from intersection to City Park.</td>
</tr>
<tr>
<td>Malibu Rd.</td>
<td>PCH Safety Study</td>
<td>Realign Malibu Rd intersection to eliminate acute angle and merging. Provide right angle intersection.</td>
</tr>
<tr>
<td>Carbon Canyon Rd. to Rambla Pacifico</td>
<td>PCH Safety Study</td>
<td>Study feasibility to build a complete sidewalk from Carbon Canyon Rd. to Rambla Pacifico on the inland side.</td>
</tr>
<tr>
<td>Rambla Pacifico Rd.</td>
<td>PCH Safety Study</td>
<td>Realign Rambla Pacifico to narrow and improve channelization at PCH and increase separation from antique bridge rail. Increase left-turn lane storage for short turn pockets.</td>
</tr>
<tr>
<td>Topanga Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Lengthen southbound left turn storage bay to reduce potential overflow into through lane. (Should be increased from 300' to 350', as the 95th queue distance is 350' for the weekend). Also lengthen time available to service lane during weekend.</td>
</tr>
<tr>
<td>Decker Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Evaluate intersection modification to a one- or two-lane roundabout. A one-lane roundabout could possibly provide space for additional parking.</td>
</tr>
<tr>
<td>330' west of Paradise Cove Rd.</td>
<td>PCH Safety Study</td>
<td>Relocate bus stop to intersection of Paradise Cove Rd.</td>
</tr>
<tr>
<td>Project Name</td>
<td>Source</td>
<td>Description</td>
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<tr>
<td>------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Encinal Canyon Rd.</td>
<td>PCH Safety Study</td>
<td>Consider realignment of Encinal Canyon Road to intersect with La Piedra Beach Rd. Also consider roundabout control for new aligned intersection</td>
</tr>
<tr>
<td>PCH and Paradise Cove vehicle under passing expansion</td>
<td></td>
<td>Expand the PCH and Paradise Cove vehicle under passing to increase system efficiency and improve regional transit connections</td>
</tr>
<tr>
<td>PCH Median enhancements from Corral Canyon Road to Winding Way</td>
<td></td>
<td>A joint effort with Caltrans to enhance medians on PCH</td>
</tr>
<tr>
<td>Install CCTV &amp; Communications Systems on PCH from Temescal Canyon Road to Malibu Road (Malibu Seafood)</td>
<td></td>
<td>A joint effort with LA County and Caltrans to install CCTV &amp; communications systems to improve trip reliability and reduce peak hour trips</td>
</tr>
<tr>
<td>LA County Bike Plan: Class 3 Bike Routes</td>
<td></td>
<td>A joint effort with LA County and Agoura Hills to install class 3 bike lanes as part of the LA County Bike Plan</td>
</tr>
<tr>
<td>Bike routes on Encinal Canyon Rd and Latigo Canyon Rd</td>
<td></td>
<td>A joint effort with LA County to install bike lanes to help minimize environmental impacts and increase active transportation mode share</td>
</tr>
<tr>
<td>PCH bicycle improvements: upgrade from Class 2 to Class 3</td>
<td></td>
<td>A joint effort with Caltrans to upgrade bike lanes from class 2 to class 3 to improve bicycle and roadway safety and minimize environmental impacts</td>
</tr>
<tr>
<td>PCH HAWK pedestrian crossing program at 20356 PCH and 22523 PCH</td>
<td></td>
<td>A joint effort with Caltrans to install HAWK signals at 20356 PCH and 22523 PCH</td>
</tr>
<tr>
<td>Enhancement of seasonal shuttle program from Las Virgenes area to Malibu</td>
<td></td>
<td>A joint effort with Agoura Hills to enhance the seasonal shuttle program from the Las Virgenes area to Malibu</td>
</tr>
<tr>
<td>Seasonal shuttle program to connect Malibu and the Westside</td>
<td></td>
<td>To improve regional transit connections through a seasonal shuttle program connecting Malibu and the Westside</td>
</tr>
<tr>
<td>Bus stop improvements</td>
<td></td>
<td>A joint effort with Caltrans to improve 31 bus stops not included in the current bust stop improvement program</td>
</tr>
<tr>
<td>Project Name</td>
<td>Source</td>
<td>Description</td>
</tr>
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</tr>
<tr>
<td>Improved year-round regional transit connection between Malibu and Santa Monica along PCH through shorter headways and other operational improvements</td>
<td></td>
<td>A joint effort with Caltrans to improve year-round regional transit connections between Malibu and Santa Monica along PCH through shorter headways and other operational improvements</td>
</tr>
</tbody>
</table>
| PCH and Las Flores Canyon Road Improvements                                  |        | The project consists of the realignment of PCH/SRI and the intersections with Las Flores Canyon and Rambla Pacífico, bridge expansion, and traffic signal upgrades.  
|                                                                              |        | The vicinity of the PCH/SR1 and Las Flores Canyon Road intersection has the highest incidents of collision in the City of Malibu and has been found to have a collisions rate that exceeds the statewide average.  
<p>|                                                                              |        | This project will reduce incident delays and improve overall highway efficiency.                                                           |
| Biofilter Media Replacement                                                   |        | Replace the engineered filter media in the City’s existing biofilters                                                                     |
| Shade Structures for Malibu Bluffs Park                                     |        | Purchase and install shade structures for Bluffs Park in high traffic areas of the park.                                                   |
| Full capture trash screens citywide                                          |        | Install full capture trash screens at the outfall of each catch basin within the City                                                      |
| Ramirez Canyon Water Quality Improvements Project                            |        | Water quality improvements in the Ramirez Canyon area                                                                                     |
| Corral Canyon Water Quality Improvements Project                             |        | Water quality improvements in the Corral Canyon area                                                                                      |
| Las Flores Canyon Water Quality Improvements Project                         |        | Water quality improvements in the Las Flores Canyon area                                                                                   |
| Parking Meters                                                              |        | Purchase and install meters within the Civic Center Area and other locations within the City                                              |
| Parking and Ride Lots                                                        |        | Purchase land to establish public parking lots                                                                                              |
| Cross Creek Pedestrian Overcrossing                                         |        | This project consists of constructing a pedestrian overcrossing Pacific Coast Highway at or near Cross Creek Road.                             |</p>
<table>
<thead>
<tr>
<th>Project Name</th>
<th>Source</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civic Center Public Parking</td>
<td></td>
<td>This project consists of constructing available public parking in the Civic Center Area.</td>
</tr>
<tr>
<td>Malibu Canyon Road Widening</td>
<td></td>
<td>The project consists of widening Malibu Canyon Road from Malibu Knolls Drive to city limits.</td>
</tr>
<tr>
<td>Heathercliff Road Safety Improvements Project</td>
<td></td>
<td>The project includes installation of a new walkway from the Point Dume Plaza to the entrance of the Point Dume Club.</td>
</tr>
<tr>
<td>PCH Shoulder Improvements</td>
<td>PCH Safety Study</td>
<td>This project is intended to improve the highway shoulders to enhance parking and promote safety at the El Matador and El Pescador State Beaches. This project was identified in the PCH Safety Study (Priority #18 and #19).</td>
</tr>
</tbody>
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