

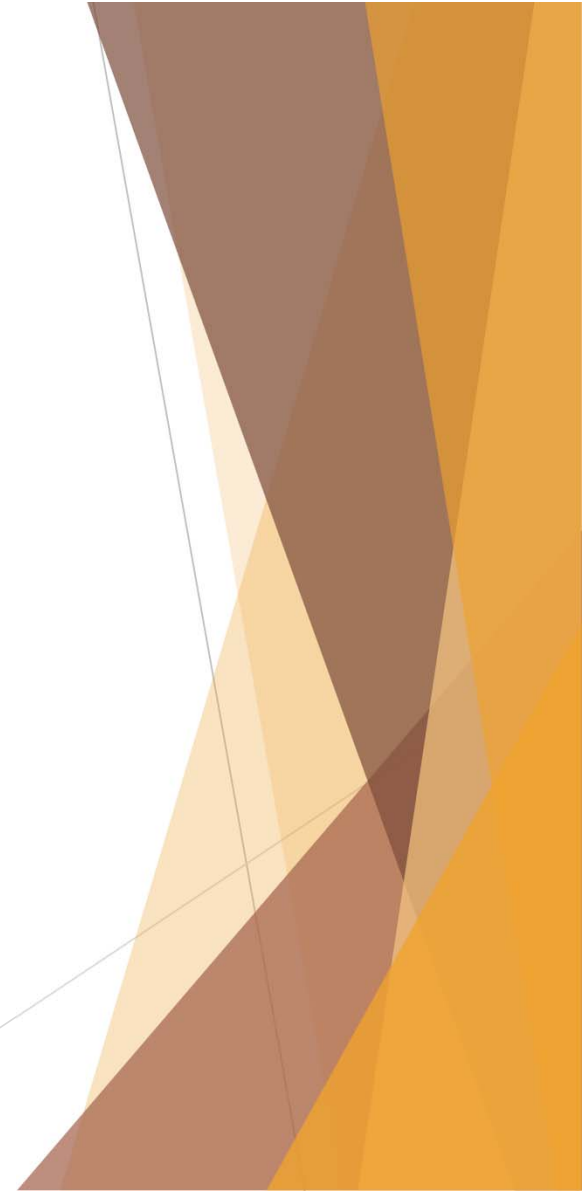


Mirada Road Update
Community Meeting
April 2, 2024 at 6:00pm

Ann M. Stillman
Director of Public Works
April 2, 2024

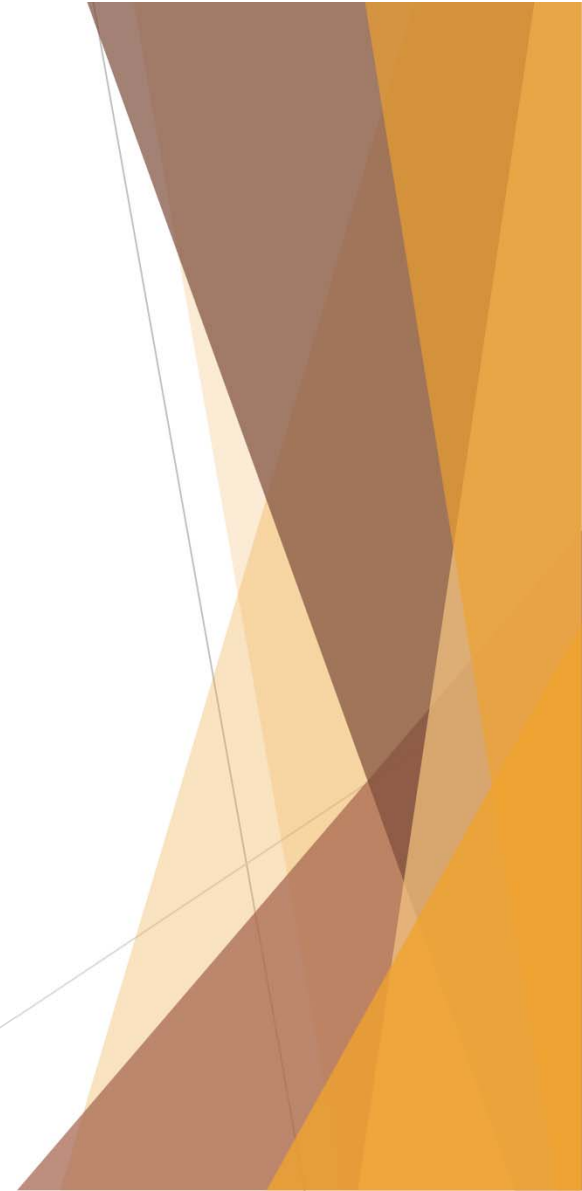
Agenda

- ▶ Introductions
- ▶ Rules for Engagement
- ▶ Background
- ▶ Current Situation
- ▶ Repair of Mirada Road
 - ▶ Short Term
 - ▶ Mid Term
 - ▶ Long Term
- ▶ Questions



Introductions

- ▶ Ann M. Stillman - Director of Public Works
- ▶ Khoa Vo - Deputy Director - Road Services
- ▶ Krzysztof Lisaj - Deputy Director - Engineering and Resource Protection



Rules for Engagement

- ▶ Everyone is encouraged to participate.
- ▶ Please identify yourself when you speak (so we can better understanding your perspective).
- ▶ Listen to and Respect other points of view.
- ▶ We will not have all the answers for you here today, but are here to listen and try to better understand your perspective, ask for input, and help steer the work on Mirada Road and affected areas.
- ▶ Project Website will be the best source of information moving forward for updates, subscribe for updates, information will be posted as it becomes available.

<https://www.smcgov.org/publicworks/mirada>

Background

- ▶ Past Work/Projects
 - ▶ Rock Slope Protection Emergency Work
 - ▶ March 2009 (Between Magellan to pedestrian bridge)
 - ▶ January 2016 (near pedestrian bridge)
 - ▶ October 2016 (Between Magellan to pedestrian bridge)
 - ▶ Mirada Road Pedestrian Bridge Replacement Project
 - ▶ November 2018 - Design started
 - ▶ June 2022 - Construction Started
 - ▶ January 2024 - Construction Completed

Buffer Striping installed in April 2023

Mirada Rd Buffer Striping

Scope: Stripe 6" white edge stripe to provide a buffer between the SB travel lane and edge of pavement. New buffer edge is approximately 9' from centerline stripe. Provide diagonal stripes @ 4' O.C. NB lane is approx. 11' wide. SB lane is approx. 9' wide.

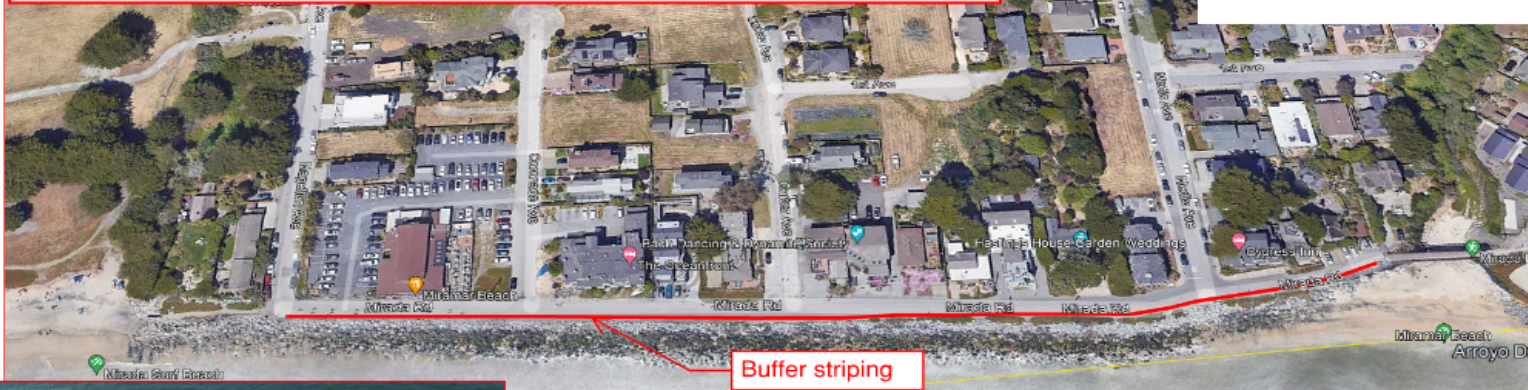
Reason: Roadway edge failed due to tidal actions.

Future considerations: Convert Mirada Rd to one-lane should edge of roadway continues to fail due to tidal actions.

Buffer Striping Timing: Immediate, buffer striping completed on 4/20/2023, see pics.

Duration of buffer striping to be in place: Indefinite.

Future repair plans of Mirada Rd: TBD.



Current Situation Mirada Road One-Way (NB) & Lane Closure (SB)



On March 6, 2024, the Department designated Mirada Road between Medio Ave and Magellan Ave, approx. 1000', as a northbound only one-way road and closed the southbound lane due to storm damage and wave action.

Previous efforts to maintain Mirada Rd included edge patching and buffer striping in April 2023.

Current Situation

Mirada Road One-Way (NB) & Lane Closure (SB)



Magellan Ave & Mirada Rd:

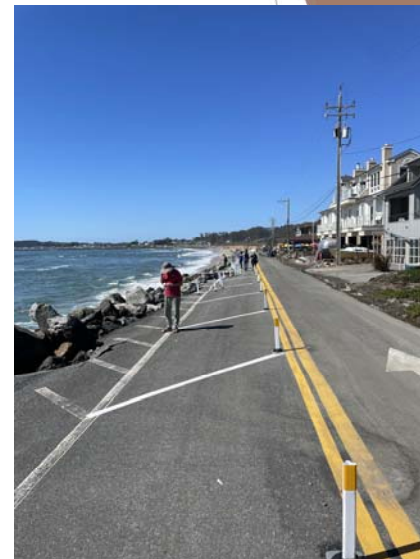
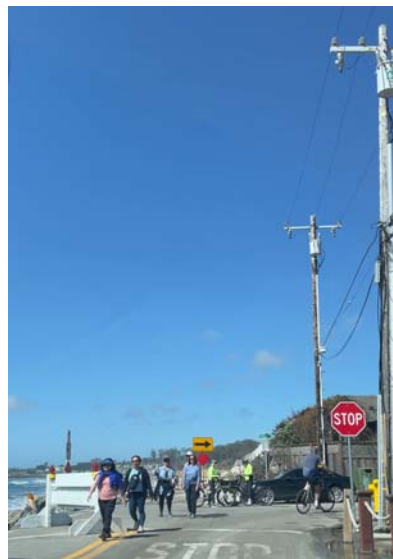
- Significant number of pedestrians and cyclists using Mirada Rd and Magellan Ave.
- Two trailheads connecting the Coastal Trail
 - at Magellan Ave.
 - at new pedestrian bridge over Medio Creek.

Public comments received:

- Make Magellan one-way eastbound.
- Like one-way and lane closure on Mirada.
- Fix Mirada Rd.
- Difficult for customers to get to my business.
- Traffic is dangerous at intersection.
- Dangerous situation for peds on Magellan.
- Build new road on Alameda Ave.



Current Situation Mirada Road One-Way (NB) & Lane Closure (SB)



Mirada Rd SB Lane Closure Observations (3/6/2024 – 3/20/2024):

- Significant number of pedestrians and cyclists use Mirada Rd and Magellan Ave
- Vehicles using Magellan Ave westbound were observed turning south onto Mirada Road to access the Miramar Beach Restaurant or to continue south on Mirada even with the posted signs and pavement markings, or were unable to make U-turn.

Current Situation

Examples of observed damages (3/6/2024 - 3/20/2024)



Photo examples of failed western edge of pavement (failed areas range in length and width).



Current Situation Mirada Road Wave Action & Driver Behavior (3/6/2024 - 3/20/2024)



Wave action at high tide and during winter continue to deteriorate the shoulder, bank, and roadway. Regulatory restrictions and environmental concerns will limit repair options (ie. slurry backfill, asphalt, geosynthetics).

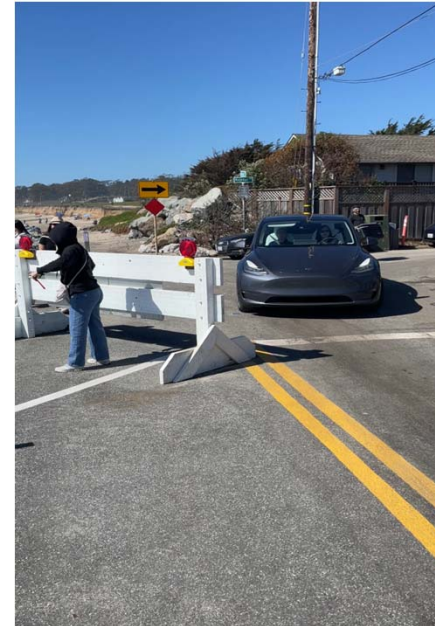


Photo of vehicle entering Mirada Road southbound.

Current Situation

Traffic circulation and issues identified on Mirada Rd and Magellan Ave (3/6/2024 - 3/20/2024)



Vehicles driving south on Mirada.



Intersection of Magellan Ave and Mirada Rd:

- Conflicting and restricted turning movements.
- U-turns are extremely difficult due to parking and ped/bike usage.



Current Situation

Traffic circulation and issues identified on Mirada Rd and Magellan Ave (3/6/2024 - 3/20/2024)



Unpermitted entrances (2) to Miramar Beach Restaurant on Magellan Ave.



Entrance to Miramar Beach Restaurant on Mirada Rd.



Entrances to Miramar Beach Restaurant on Coronado Ave.

Current Situation

Recommendations/Options to reduce conflicts and improve circulation



Mirada Rd:

- Additional signage and pavement markings at intersections to further delineate one-way NB only traffic.

Reduce conflicts (ped/bike/vehicle) on Magellan Ave by:

- Post “No Parking” on portion(s) of Magellan Ave, “No Parking” from trailhead to Mirada Rd (reduction of approx. 15 parking spaces).

Magellan Ave:

- Convert Magellan Ave to one-way (EB).

Changes to Magellan (one-way EB) would require modifications on Hwy 1



NB Hwy 1 at Magellan Ave



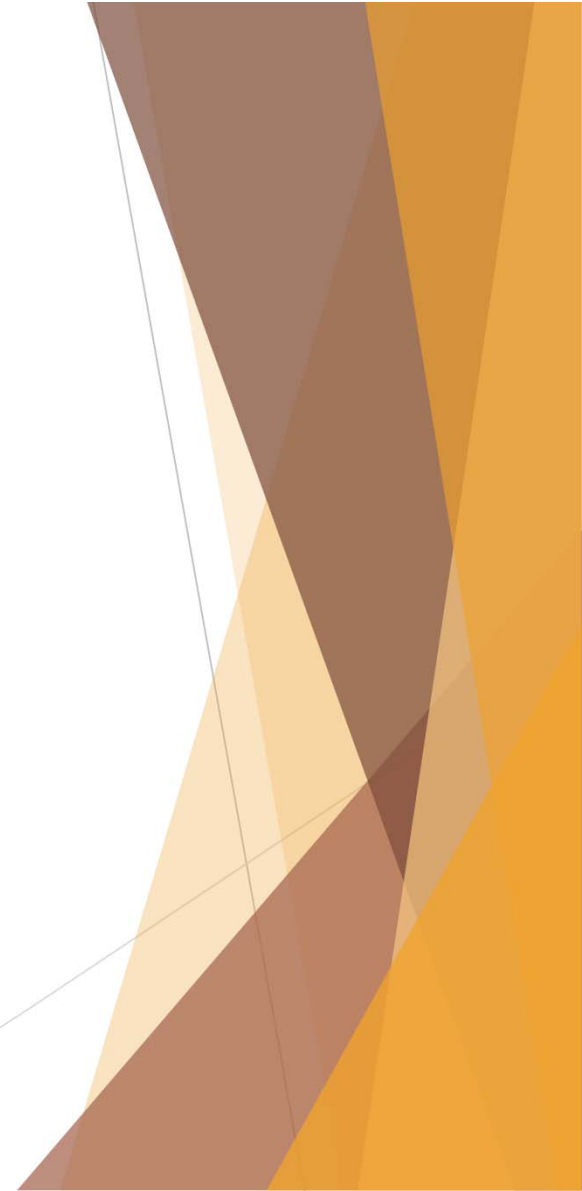
SB Hwy 1 at Magellan Ave

Hwy 1 @ Magellan Ave would require approval from Caltrans and an Encroachment Permit:

- Close left-turn lane from NB SR-1 to Magellan Ave.
- Block all traffic from turning right onto WB Magellan Ave.

Additional Work/Information

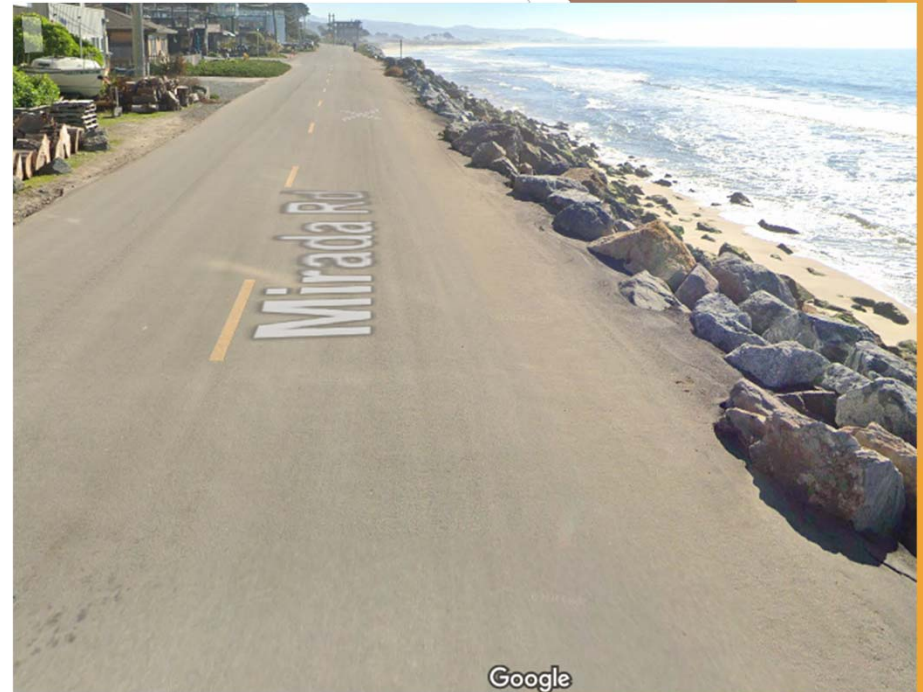
- ▶ Traffic Counts to be completed
- ▶ Further analysis of traffic patterns/needs of community
- ▶ One-way on Mirada Road will likely be in effect for the foreseeable future
- ▶ Local community input regarding wants/needs?



Repair of Mirada Road

Goals/Objectives

- ▶ Protect from further deterioration
- ▶ Provide access for residents, businesses, visitors, and coastal trail
- ▶ Balance needs of community and coastal regulatory framework
- ▶ Full restoration of Mirada Road
- ▶ Build resiliency for Mirada Road to limit maintenance/future work
- ▶ Aligns with adopted plans/studies for State, County, and local area



Repair of Mirada Road Challenges

- ▶ Coast is dynamic and has been challenging over the last several years with significant impacts over the two years
- ▶ Coast is changing and recent events accelerated Mirada Road issues and damages
- ▶ Projects on Mirada Road are complicated, have multiple stakeholders, and require regulatory approvals
- ▶ Specific project funding has not been identified



Repair of Mirada Road Stakeholders

- ▶ Granada Sanitary District (Sewer)
- ▶ Coastside County Water District (Water)
- ▶ Pacific Gas & Electric (Gas and Electrical)
- ▶ Cable/TV/Internet Providers
- ▶ City of Half Moon Bay
- ▶ California Coastal Commission (CCC)
- ▶ US Army Corps of Engineers
- ▶ CA Department of Fish and Wildlife
- ▶ Residents
- ▶ Businesses
- ▶ Others - TBD



GRANADA
Community Services District



THE CITY OF
HALF MOON BAY
CALIFORNIA



Repair of Mirada Road Short Term (0-1 years)

- ▶ Prevent further damage
- ▶ Restore as much of Mirada Road as possible
- ▶ Under Emergency Permits
- ▶ Potential Repairs to be evaluated/considered
 - ▶ Adding Rock Slope Protection (RSP) to beach
 - ▶ Fill voids with slurry or asphalt
 - ▶ Cover edge with geosynthetics
 - ▶ Polymer/grout injection
 - ▶ Combination of above



Repair of Mirada Road Short Term (0-1 years)

Data Gathering Phase

- ▶ Obtaining road right-of-way (ROW) information along Mirada Road
- ▶ Communication with City of Pacifica regarding their approach on Beach Boulevard
- ▶ Researched City of Santa Cruz West Cliff Drive
- ▶ Engagement of consultants for regulatory approach
- ▶ Engagement with City of Half Moon Bay

Remaining Work

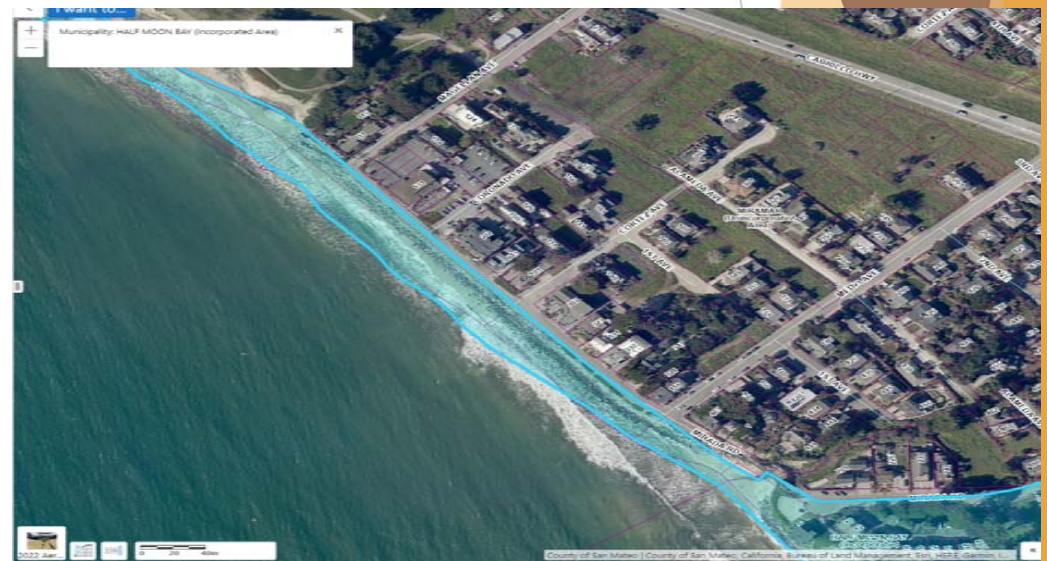
- ▶ Potential for expanding Mirada Road east within ROW
- ▶ Developing Alternatives Analysis/Plans
- ▶ Emergency Permit Application
- ▶ Construction



Repair of Mirada Road Mid Term (1-5 years)

Identified Next Steps

- ▶ Identify Funding Source
- ▶ Develop Consultant Project Team
- ▶ Outreach and Engagement
- ▶ Development of Project Priorities to inform the Scope of Work
- ▶ Existing Document Review and Alignment
- ▶ Identify and Apply for Grant Opportunities
- ▶ Plans and Specifications Development
- ▶ Permit Applications
- ▶ Bidding
- ▶ Construction



Repair of Mirada Road

Mid Term (1-5 years)

Potential alternatives for community engagement (not all inclusive):

- ▶ 1) No project, continue to provide basic level of maintenance for Mirada Rd after emergency work is completed.
- ▶ 2) Inland development. Continue to provide basic level of maintenance for Mirada Rd and develop a new one or two-lane on Alameda Ave, connecting Medio Ave and Magellan Ave.
- ▶ 3) Repair Mirada Rd as one-lane, one-way road.
- ▶ 4) Repair Mirada Rd to two-lane, two-way road.
- ▶ 5) Re-envision Mirada Rd in terms of use and destination.
- ▶ 6) Combination of the above.

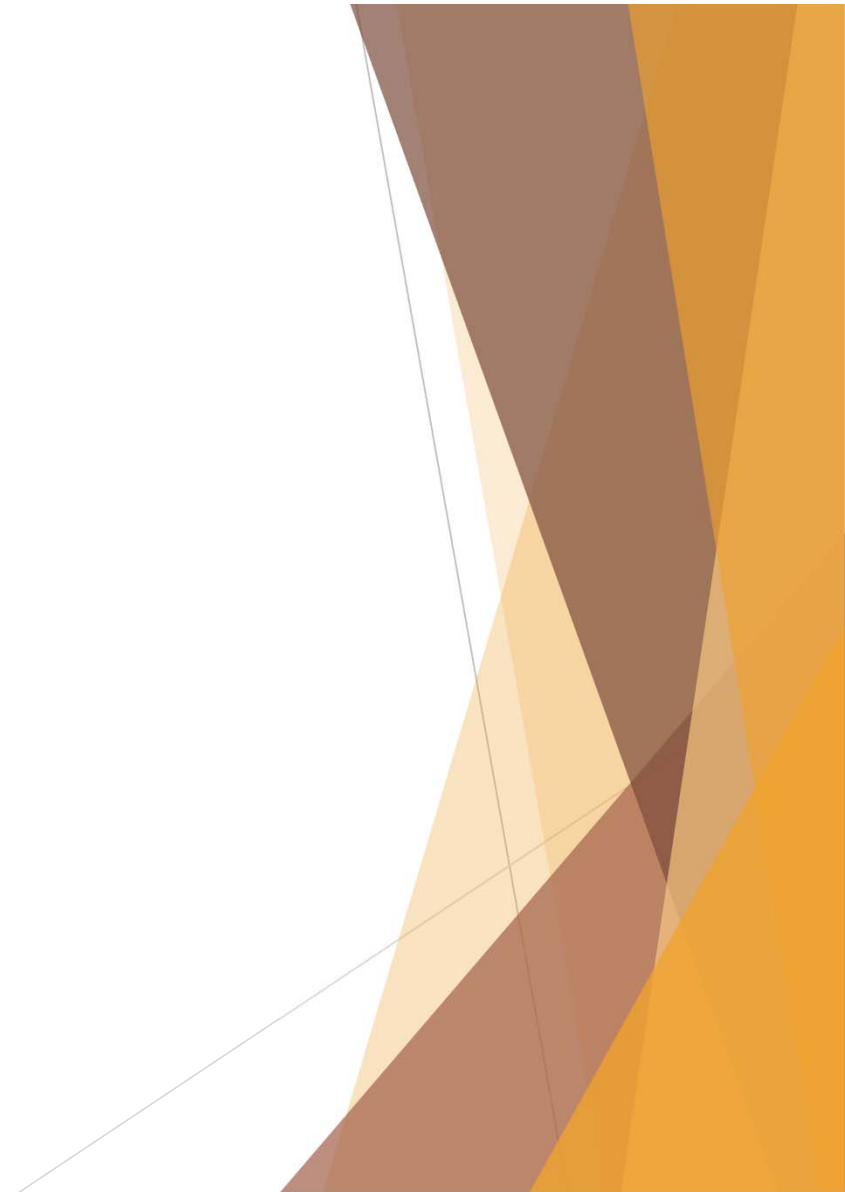
Future of Mirada Rd - Alternatives to be discussed and determined through community engagement process

Repair of Mirada Road

Mid Term(1-5 years)

Project must balance:

- ▶ Resident needs
 - ▶ Traffic Circulation and access
- ▶ Business needs
 - ▶ Access to businesses that front Mirada Road
- ▶ Recreational Needs
 - ▶ Access to beach and coastal trail
- ▶ Regulatory Framework
 - ▶ CCC, US Army Corps, others
 - ▶ Nature Based Solutions
- ▶ Budget
 - ▶ Identify and secure funding
- ▶ Schedule
 - ▶ Different Options will have different schedules



Repair of Mirada Road Long Term(5-30 years)

- ▶ Short, Mid and Long Term Projects to tie and compliment one another
- ▶ Long Term Vision for Mirada Road that results in proactive and realistic approach based on the latest available guidance related to Sea Level Rise and Climate Change
- ▶ Potential Utility relocation from Mirada Road
- ▶ Resilient Mirada Road that results in an area that meets the needs of the community, preserves coastal access, and reduces maintenance cost for County



QUESTIONS

<https://www.smcgov.org/publicworks/mirada>