



CITY OF COSTA MESA

# General Plan: The Great Reach

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# September 18, 2013

## great reach agenda

# Agenda



- **Master Plan of Highways**
- **Master Plan of Bikeways**
- **Vision Statements**



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# circulation element

# Circulation Element

- **Identifies and establishes City's policies governing the system of roadways, intersections, bicycle paths, pedestrian ways, and other components of transportation system, which collectively provide for movement of persons and goods throughout the City.**

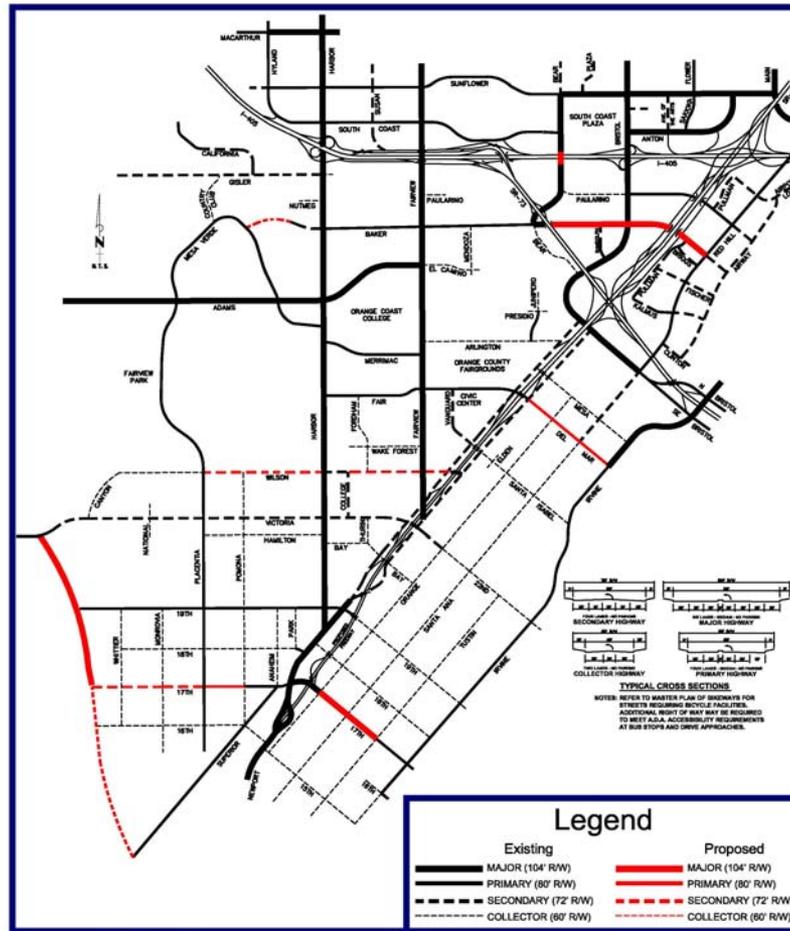
# Relationship to General Plan

- **Circulation Element is closely related to Land Use Element**
- **As Land Use is developed Circulation System Improvements are implemented to meet the increased transportation needs**
- **Other related elements include Growth Management and Conservation (Air Quality Section) Elements**

# Components of Circulation Element

- **Master Plan of Highways**
- **Master Plan of Bikeways**
- **Transit System Map**
- **Goals, Objectives and Policies**

# Master Plan of Highways



## Master Plan of Highways

# Key Issues



- **SR-55 Freeway Extension**
- **Gisler/Garfield Bridge**
- **Bluff Road**
- **Other MPH Arterials**
  - West 17<sup>th</sup> Street
  - Baker Street
  - Bear Street
  - Del Mar Avenue
  - Wilson Street
- **Downgrades**
  - East 17<sup>th</sup> Street
  - West 19<sup>th</sup> Street

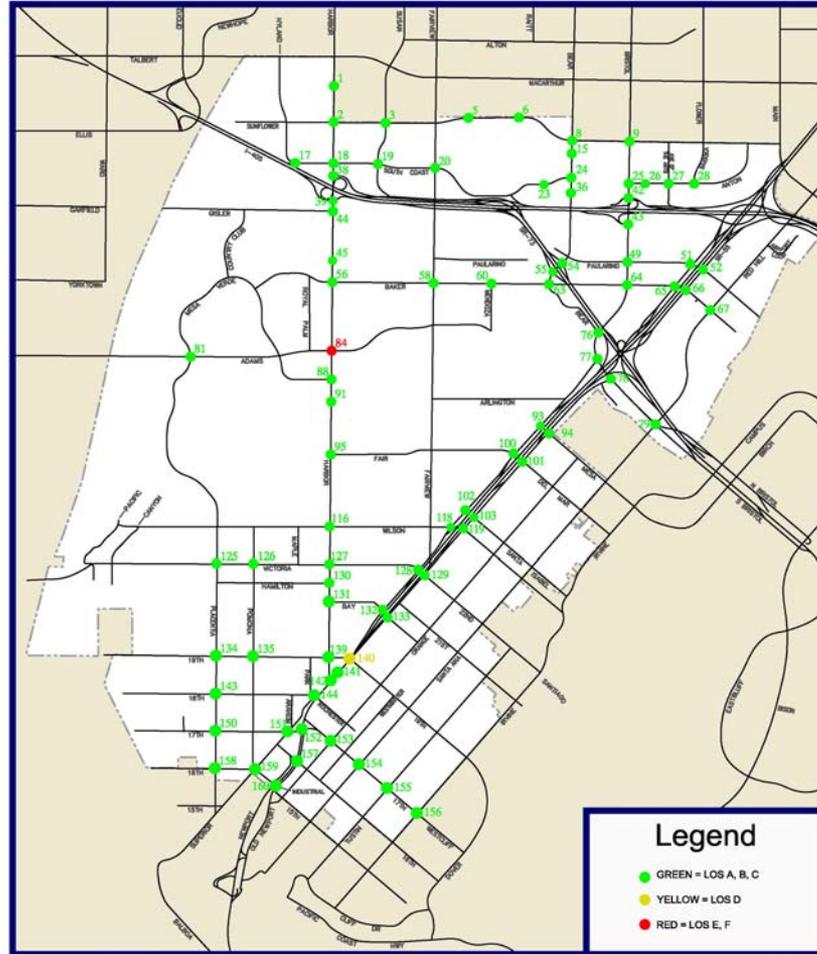
# Intersection Level of Service

- **City uses Intersection Capacity Utilization (ICU) Methodology to Assess Intersection Operations**
- **Simple Methodology – Good for Planning Applications**
- **Used by OCTA and Other Agencies**

# Intersection Level of Service

- **ICU Value Correlated to Level of Service (LOS) with Letter Grades from A to F**
- **ICU < 0.60 – LOS A (Free Flow Conditions)**
- **ICU > 1.00 – LOS F (Congested Conditions)**
- **Costa Mesa Threshold is LOS D (ICU < 0.90)**

# Existing Intersection Level of Service



Signalized Intersections

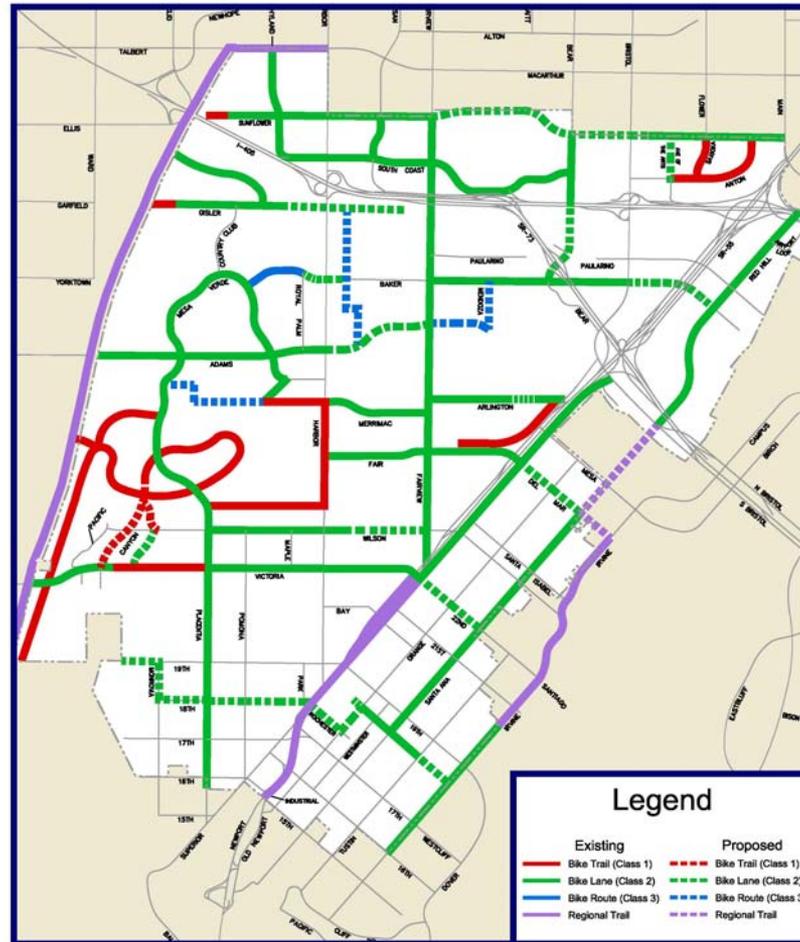


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# bike master plan workshop

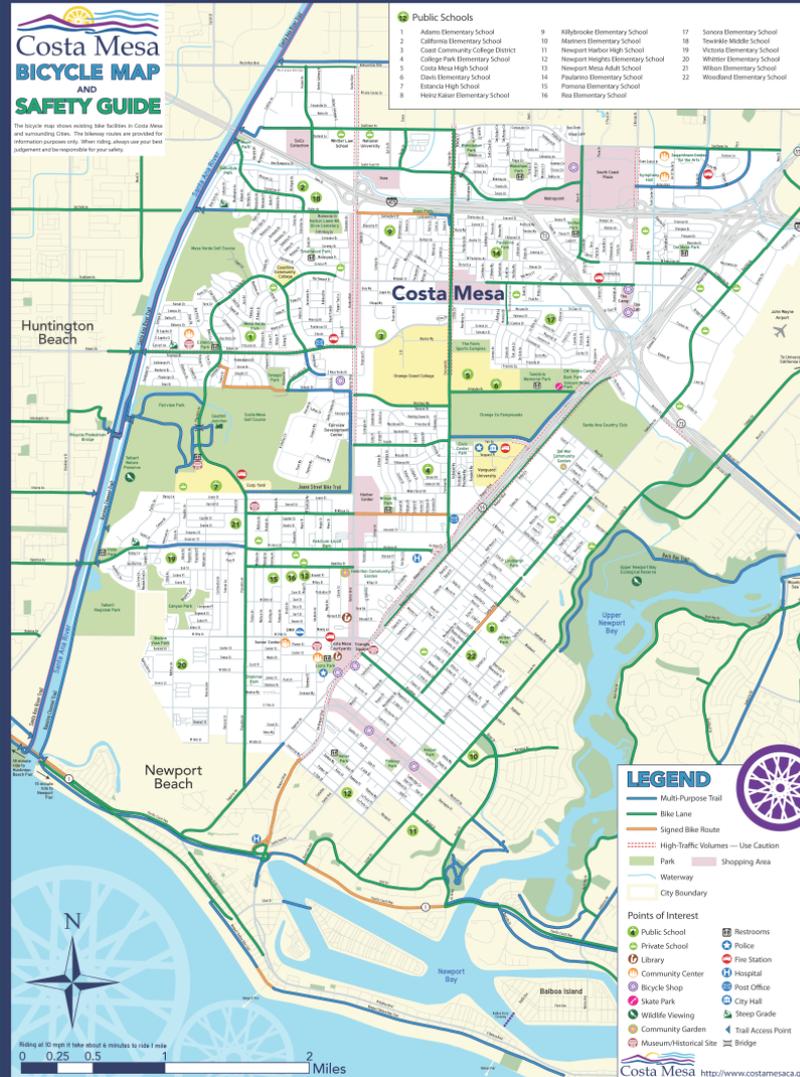
# Master Plan of Bikeways



Master Plan of Bikeways

# Existing Bikeways Map

## Bicycle Map & Safety Guide





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# Toolbox kit

# Class 1: Multi-Use Paths

- May serve pedestrians
  - Don't work well under high usage
- Should Minimize Cross Flows



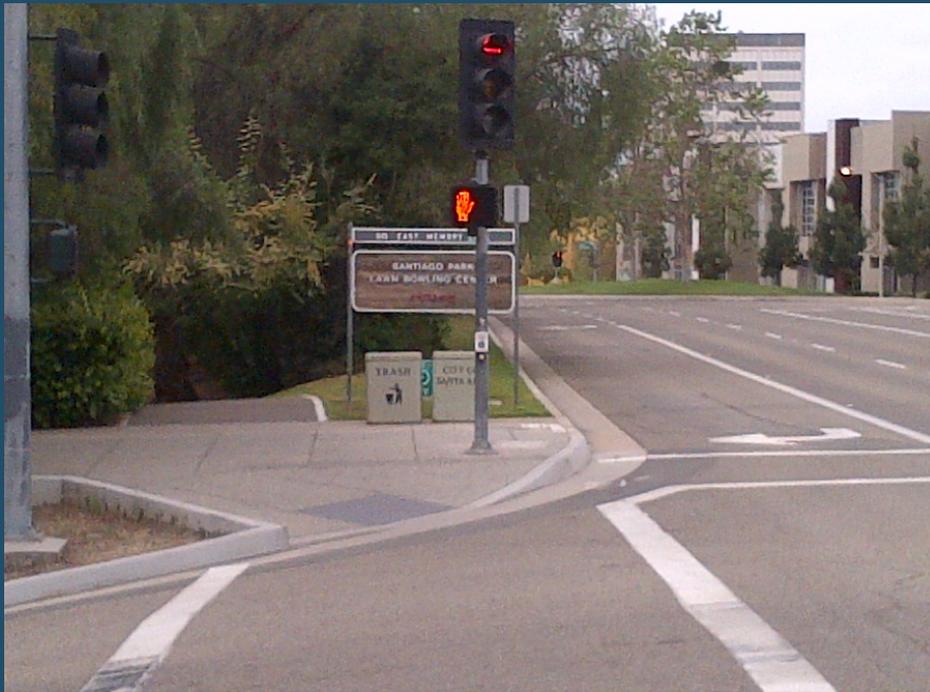
# Optimal Bike Paths

- Long, Uninterrupted Segments
  - River Trails
  - Waterfronts
  - Rural Rail Corridors



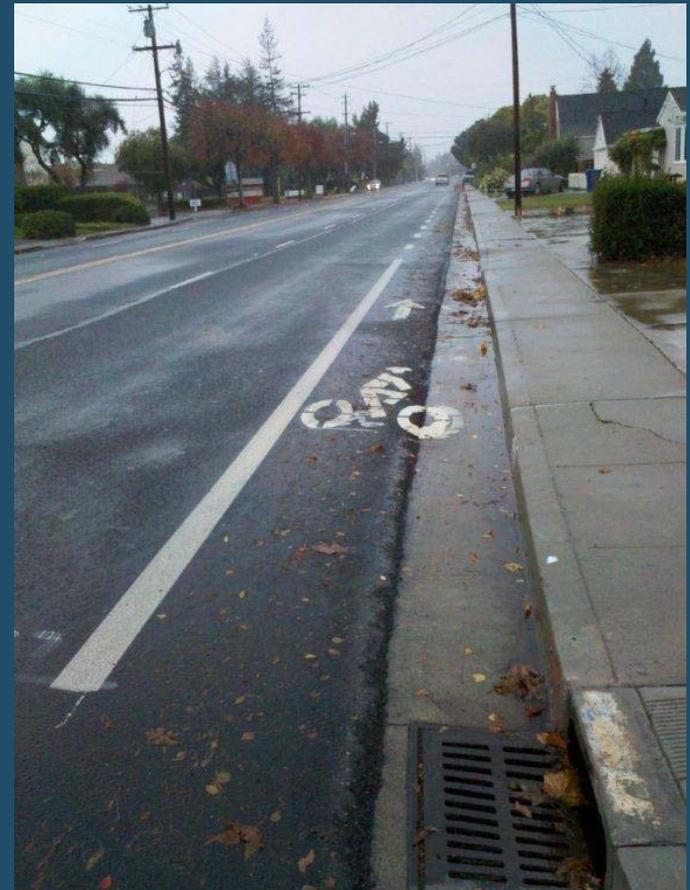
# Less Desirable Designs

- Side Paths, especially with signalized crossings
- Former Urban Rail Corridors with frequent street crossings



# Class 2: Bike Lanes

- 5 ft (1.5m) beyond marked parking stalls
- 4 ft (1.2m) beyond pavement edge
- 3 ft (.9m) beyond gutter



# Class 3: Bike Routes

- On-Street signed routes



# Sharrows

- New, US standard pavement marking
- Advises Motorists to Expect Bicyclists
- Advises Bicyclists to Ride in Safer Location
- Useful with Class III bikeways

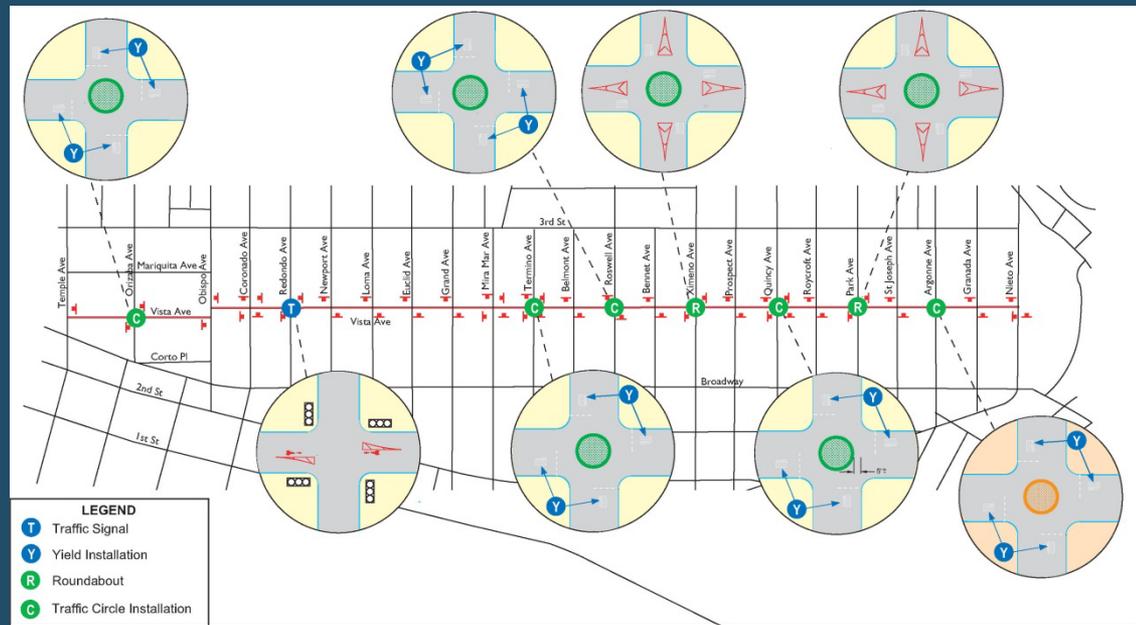


# New Standard Signs



# Bicycle Boulevard

- Minor Street Modified to Suit Bicycling
- Low Auto Traffic and Speeds
- Traffic Controls Optimized for Bicycling



# Common Deficiencies

- Signals Cannot Detect Bicycles
- Network Connectivity
- Guide Signing
- Double Right Turn Lanes
- Narrow Lanes / High Speeds



# Built Communities

- Restripe to Narrow Lanes
- Prohibit Parking, if Possible
- Don't Discount Class III Facilities
- Consider Bike Boulevards
- Tailor to Existing Funding Sources
- Look for Road Diets



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# Vision Statements

# Vision Statement

- **Pedestrian, bicycle and transit connectivity are as important as vehicular travel. New developments, public spaces and improvements to existing roadways will be designed to accommodate non-motorized transportation and transit needs, in addition to meeting automobile traffic requirements.**

# Vision Statement

- **Manage local and regional travel needs by constructing improvements for all modes of circulation, adopting land use intensities commensurate with planned circulation improvements and implementing a traffic demand management program for large developments.**



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# upcoming events

# Great Reach Workshops

## Emergency Operations Center (EOC)

- October 16: Circulation Part 2



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# questions/comments

