CITY OF COSTA MESA

General Plan: The Great Reach

MIG | Hogle-Ireland

October 16, 2013

great reach agenda

Agenda

- **Vision Statements**
- **2000 General Plan Review**
- **I-405 Update**

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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2000 General Plan Review

Land Use Comparison

Land Use Category	Year 1998	Year 2020	Increase
Residential (DU)	40,330	42,469	2,139 (5%)
Commercial (TSF)	17,397	23,579	6,182 (36%)
Industrial (TSF)	14,416	17,550	3,134 (22%)

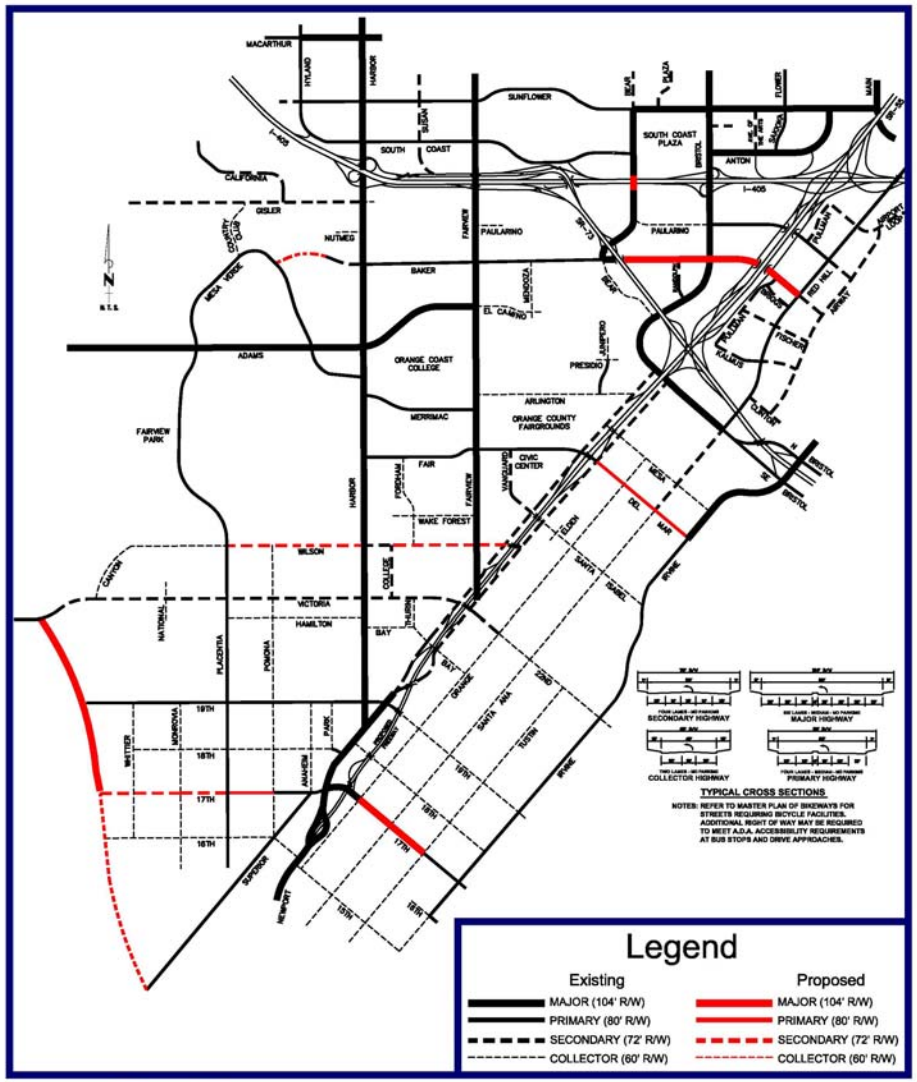
DU – Dwelling Units

TSF – Thousand Square Feet

Trip Generation Comparison

	Year 1998	Year 2020	Increase
Total Trips	1,061,685	1,277,683	215,998 (20%)

Master Plan of Highways



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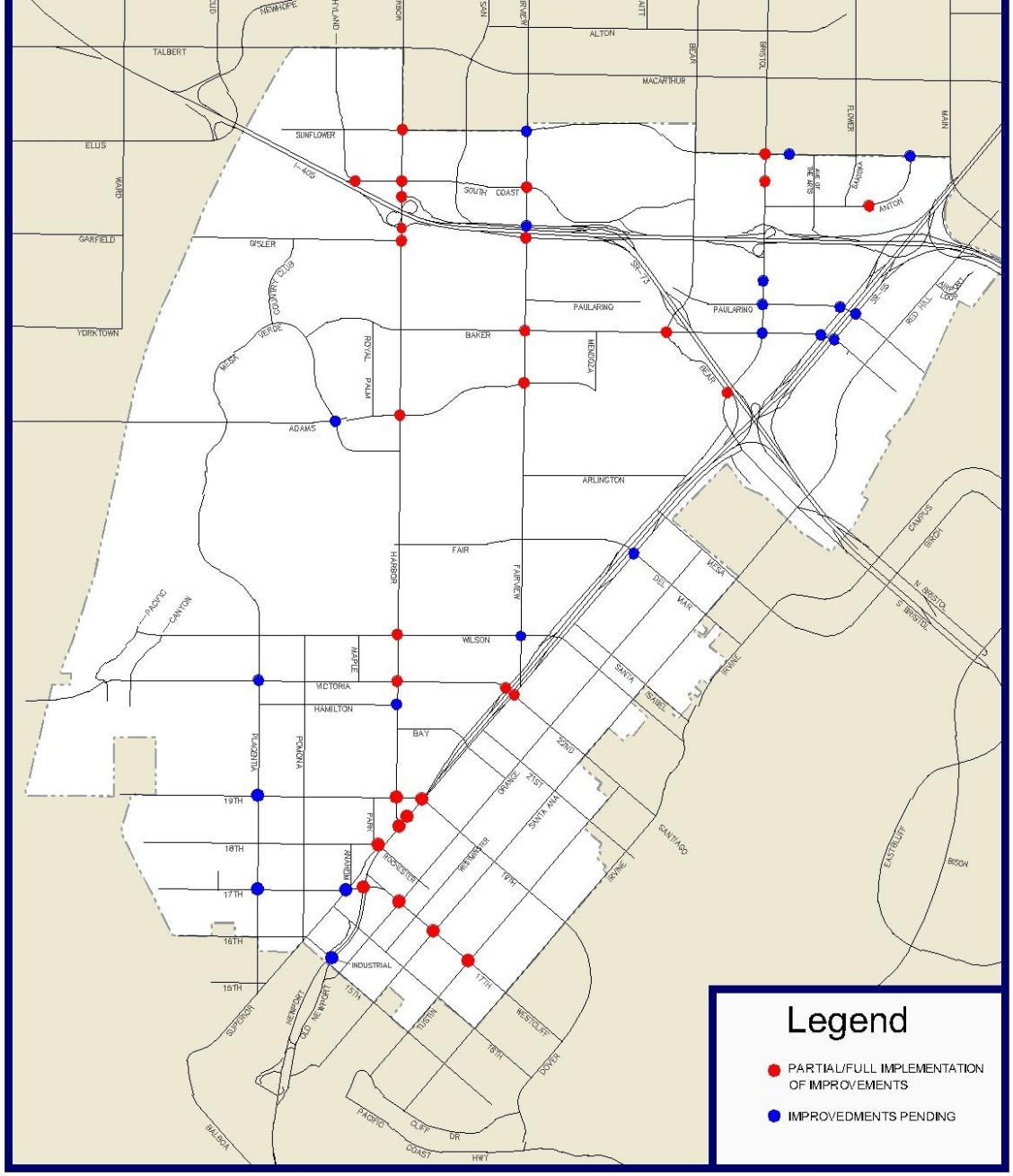
Master Plan of Highways

2020 GENERAL PLAN CIRCULATION IMPROVEMENTS

LOCATION	IMPROVEMENT
Harbor & Adams	Add NBR, ***SBR, EBL***
Harbor & Wilson	***Add WBR***
Fairvew & Wilson	Add EBT, WBT, NBT; Convert SBR to SBT+R
Placentia & Victoria	Add EBR
Harbor & Victoria	Add EBR, ***WBR***
Newport SB & Victoria	***Add 4th EBT, Convert SBR to Freeflow***
Newport NB & Victoria/22nd	Add ***2nd EBT***, WBT+R, Convert NBR to NBT+R, ***Convert NBL to NBT+L***
Placentia & 19th	Add SBR, EBR
Harbor & 19th	***Convert NBR to NBT+R***, Convert SBR to SBT+R
Newport & 19th	Add ***NBT***, SBT
Newport & Broadway	Add ***NBT***, SBT
Newport & Harbor	Add ***NBT***, SBT
Newport & 18th/Rochester	Add ***NBT***, SBT
Newport & 17th	Add ***NBT***, SBT, ***SBR***
Placentia & 17th	Add 2nd EBT, 2nd WBT
Superior & 16th	Add WBL
Newport & Industrial	Add SBR
Harbor & Sunflower	Add EBR, WBR, ***NBR***
Fairview & Sunflower	Add SBR & EBR
Bristol & Sunflower	Add NBL, WBR; ***Convert NBT to NBT+R***
Harbor & South Coast	Add EBR, ***WBR, WBL***; Convert EBT+R to EBT, SBR to SBL
Fairview & South Coast	Add SBT, WBR; ***Convert EBT to EBT+R***

Harbor & I-405 NB Ramps	***Add NBT (Tieback wall under I-405), SBT***
Harbor & I-405 SB Ramps	***Add NBT (Tieback wall under I-405)***
Fairview & I-405 NB Ramps	Restripe WBL to WBL+R
Fairview & I-405 SB Ramps	***Add SBL; Convert NBT to NBT+R;*** Restripe EBR to EBL+R
Harbor & Gisler	Add SBR, ***NBT, WBR***
Fairview & Baker	***Add 4th SBT, 3rd WBT***
Bristol & Paularino	Add 2nd NBL, 4th NBT, 2nd WBL, EBR
Bear & Baker	***Add 3rd WBT***
Bristol & Baker	Add 4th NBT, 3rd EBL, 3rd WBT, 3rd EBT
Fairview & Adams	***Add Free SBR***
Orange & 17th	***Add NBR, SBR, WBR[1]***
Santa Ana & 17th	***Add NBR, SBR, EBR, WBR[1]***
Tustin & 17th	Add ***NBR, EBR***, WBR
Park Center & Sunflower	Convert NBT to NBT+L, SBL to SBL+R, SBT to SBR
Anton & Sunflower	Add WBL
Bristol & Town Center	***Add WBL***
I-405 NB Ramp & Anton	***Construct New Ramp and Intersection***
Bristol & Hotel Way	Convert NBR to NBT+R
SR-55 NB Ramps & Paularino	Add WBR, Extend EBL pocket
SR-55 SB Ramps & Paularino	Add SBR
SR-55 SB Ramps & Baker	Add free-flow SBR; Convert EBT to EBT+R
SR-55 NB Ramps & Baker	Add EBL, NB Lane
Mesa Verde East & Adams	Convert SBT to SBT+R
Newport NB & Del Mar	Convert WBT to WBT+R; Add NBR
Harbor & Hamilton	Add SBR
Hyland & I-405 NB Ramp/South Coast Drive	Provide ***SBL, SBR, EBT***, EBT+R
Bristol & Bear	***Add SBT***



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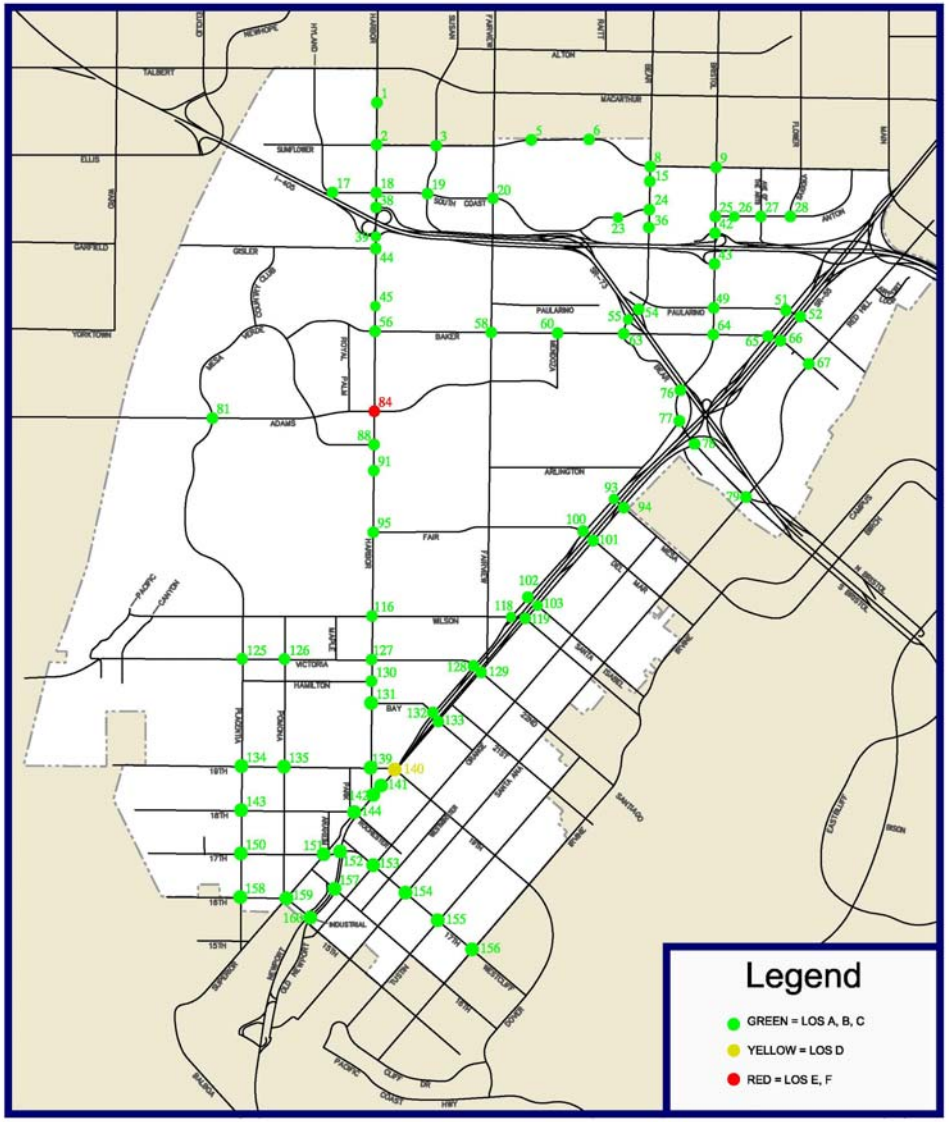
2020 General Plan Improvement Location

Existing Intersection Level of Service



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Signalized Intersections

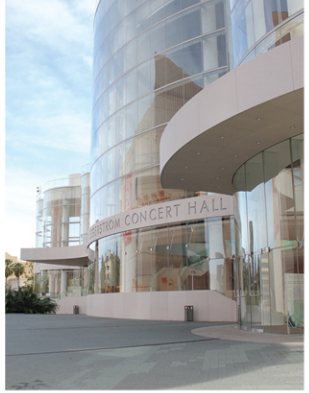
Key Policies

- **Level of Service**
- **SR-55 Freeway Extension**
- **Gisler/Garfield Bridge**
- **MPAH Downgrades**
  - **East 17th Street**
  - **Baker Street west of Harbor Boulevard**
  - **Baker Street east of Bristol Street**
  - **Mesa Verde Drive**

Intersection Level of Service

- **City uses Intersection Capacity Utilization (ICU) Methodology to Assess Intersection Operations**
- **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)**

questions/comments



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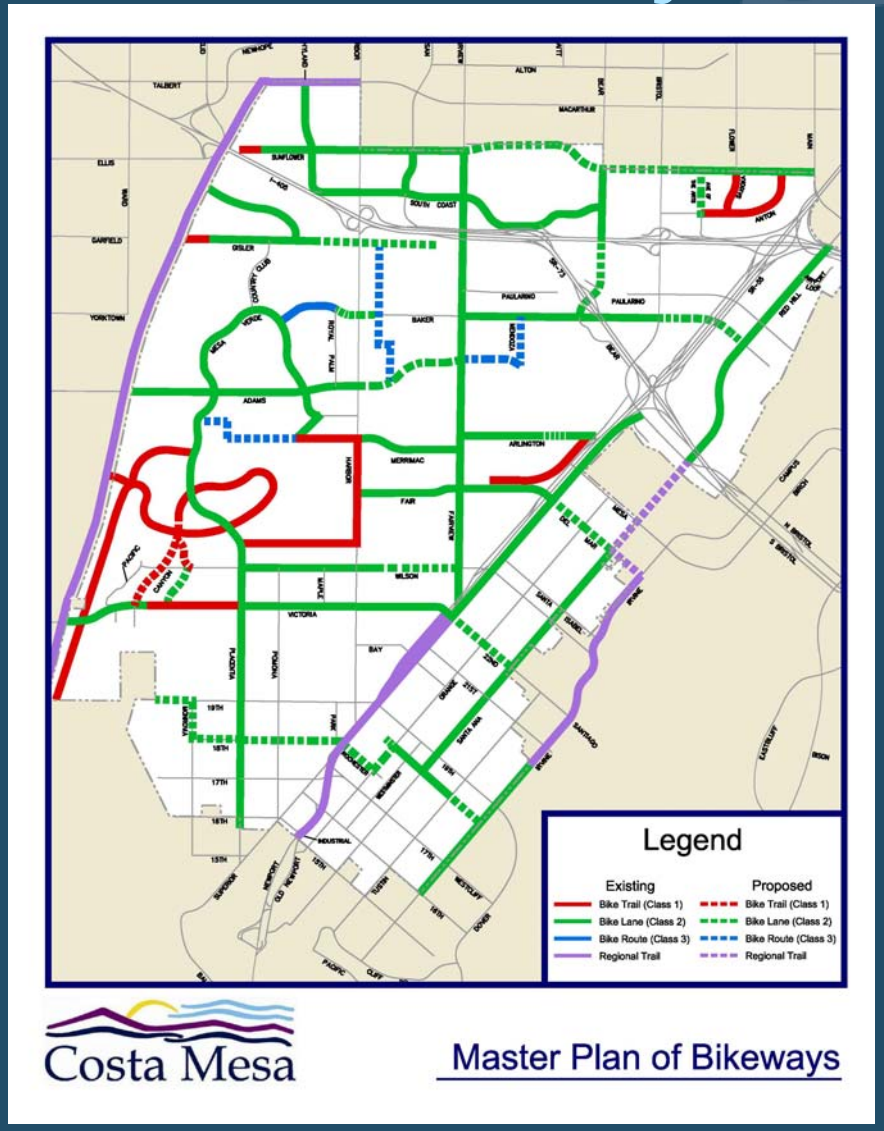
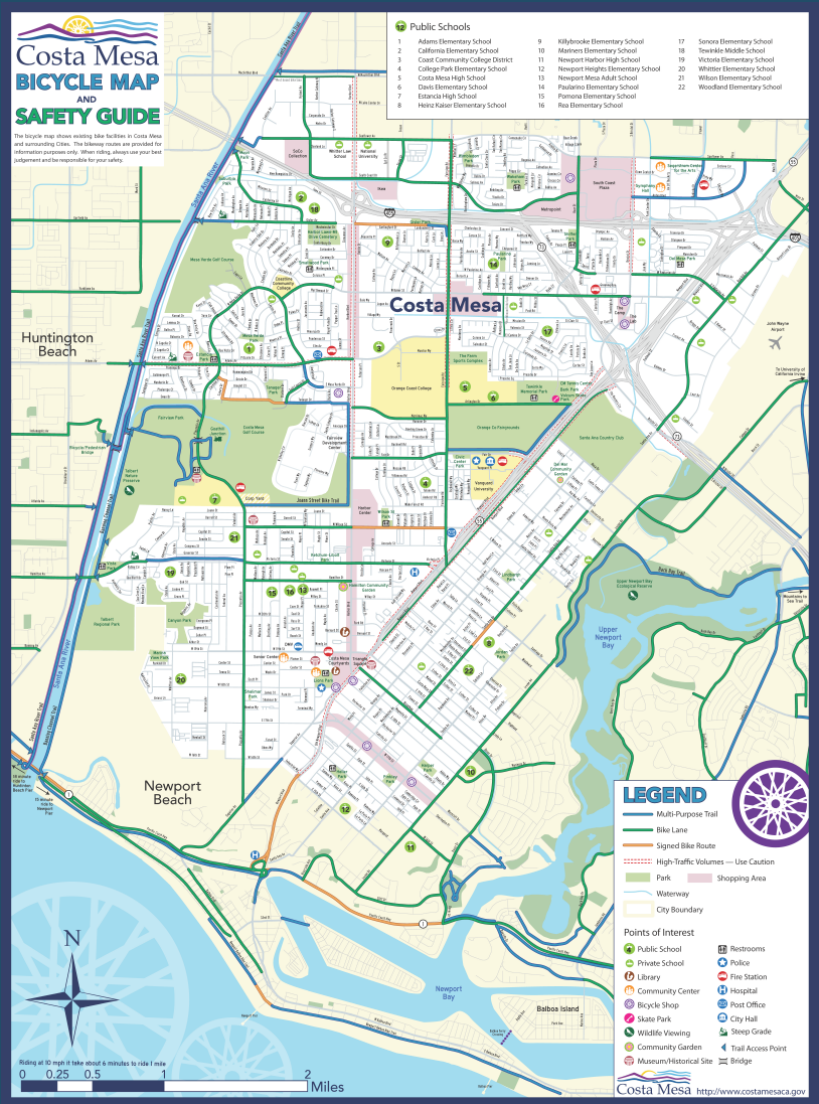
bike master plan

Master Plan of Bikeways



Existing Bikeways Map

Bicycle Map
& Safety Guide