



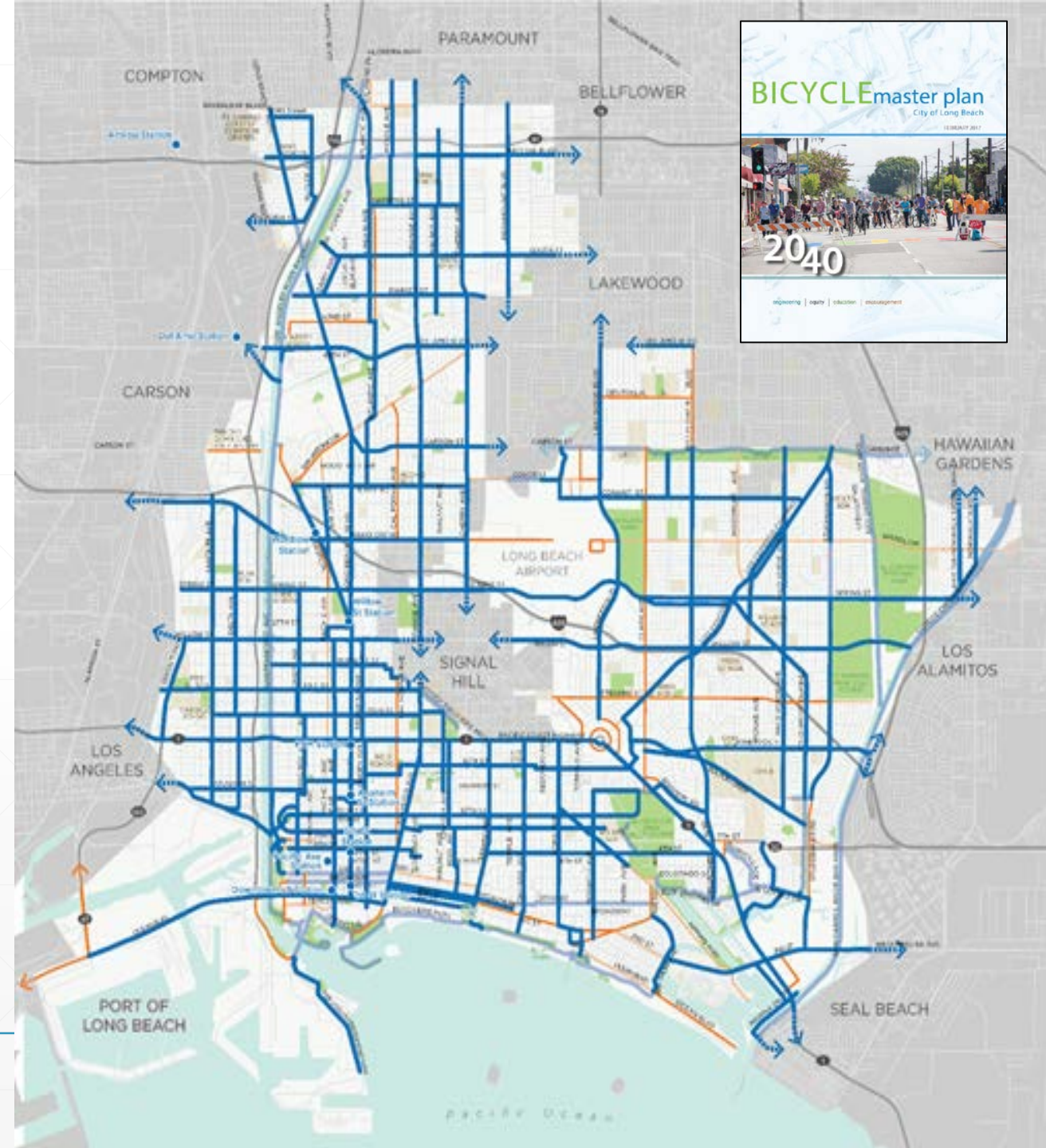
CITY OF  
**LONG BEACH**

## **Mobility Programs and Projects**

**Michelle Mowery**, Mobility & Healthy Living Programs Officer  
**Rachel Junken**, Transportation Programs Planner

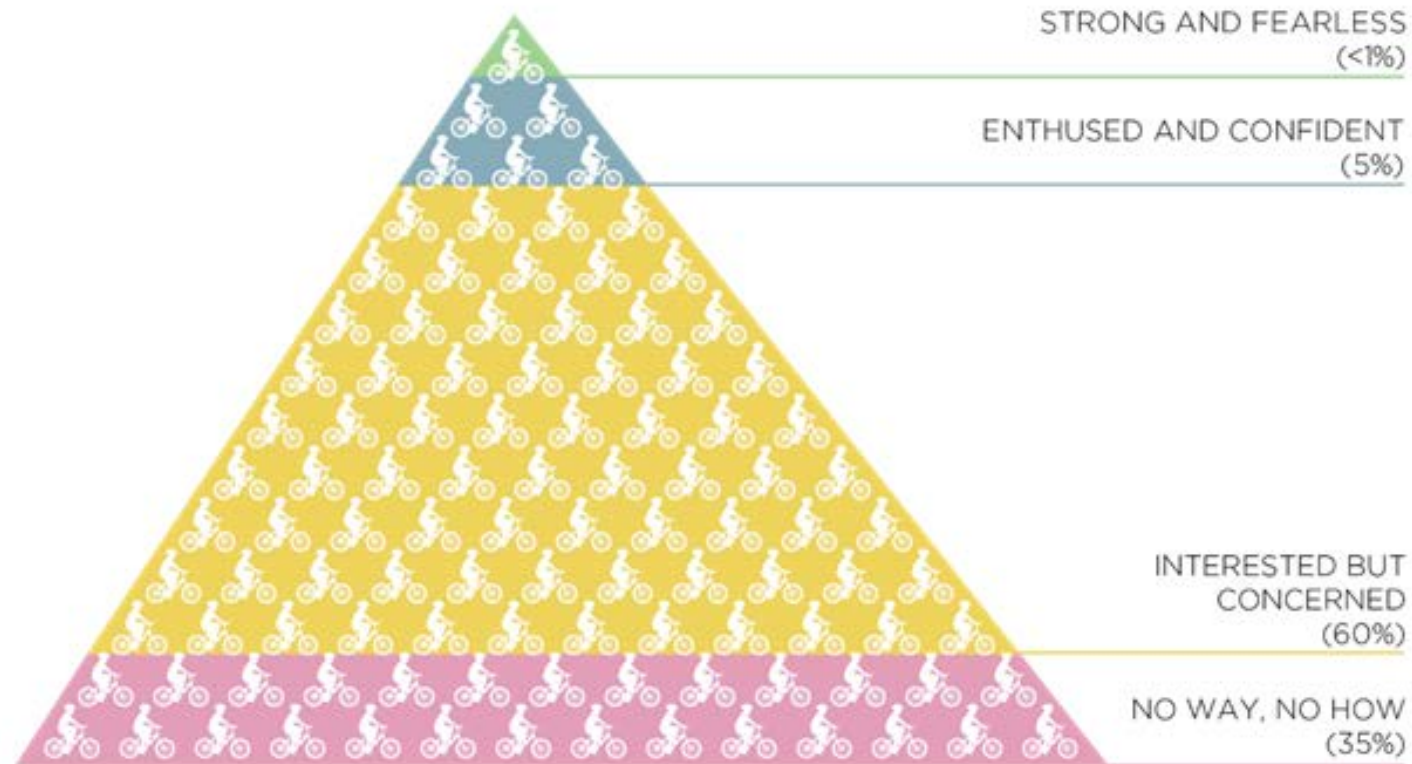
# Bicycle Master Plan

- Adopted by City Council February 2017
- Focus on equity, mode shift, sustainability and safety
- 8-80 bicycle network
- Vision to shift 30% of all trips to bicycle trips in 30 years





# Bicycle Master Plan



SOURCE: [www.portlandoregon.gov/transportation/article/264747](http://www.portlandoregon.gov/transportation/article/264747)

**60% of people are interested in biking, but concerned about safety**

# Bicycle Master Plan

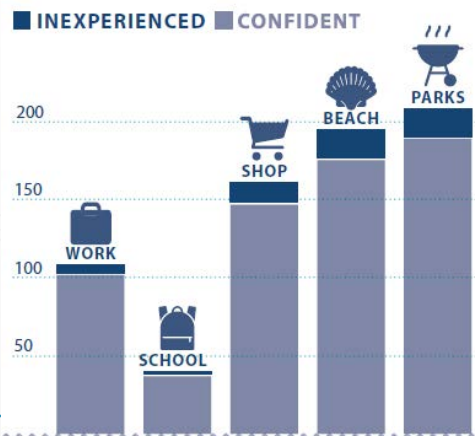
## Do you feel safe riding a bike?



## How do you usually get around?



## Cycling Destination by Experience



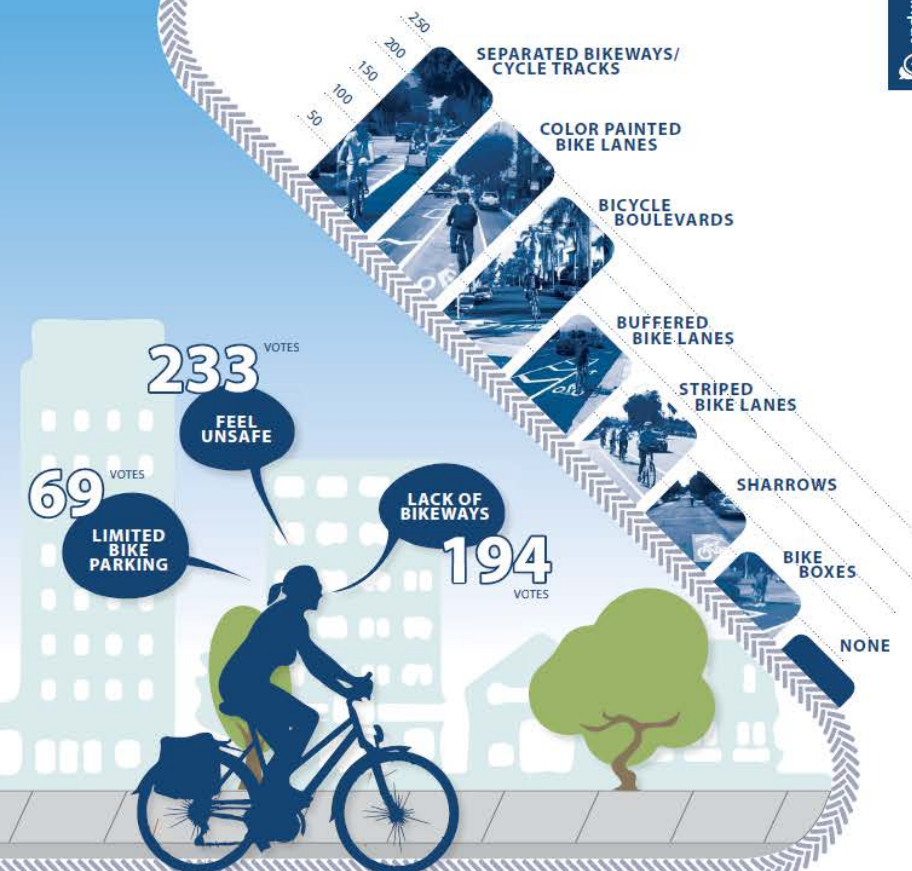
## Why do you ride a bicycle?



## What keeps you from riding a bicycle more often?

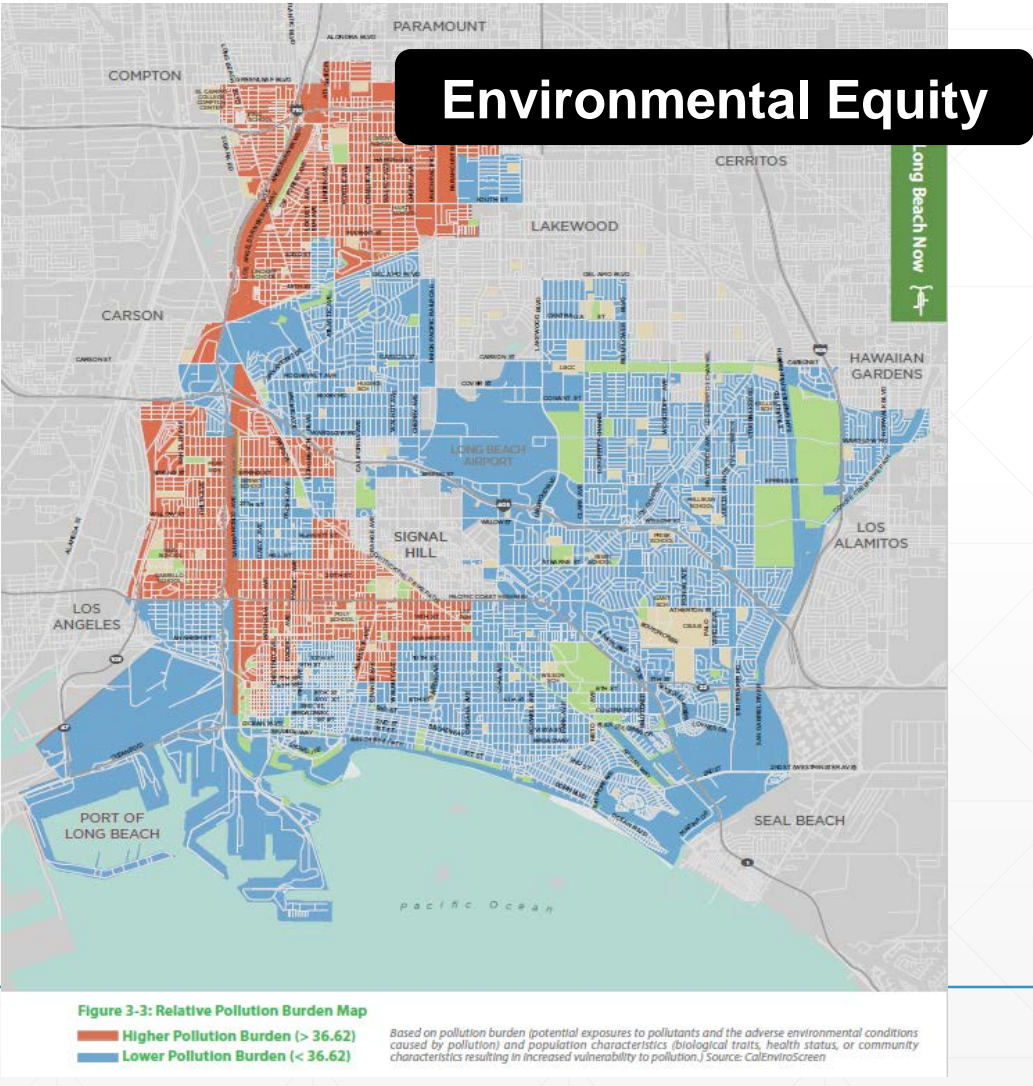
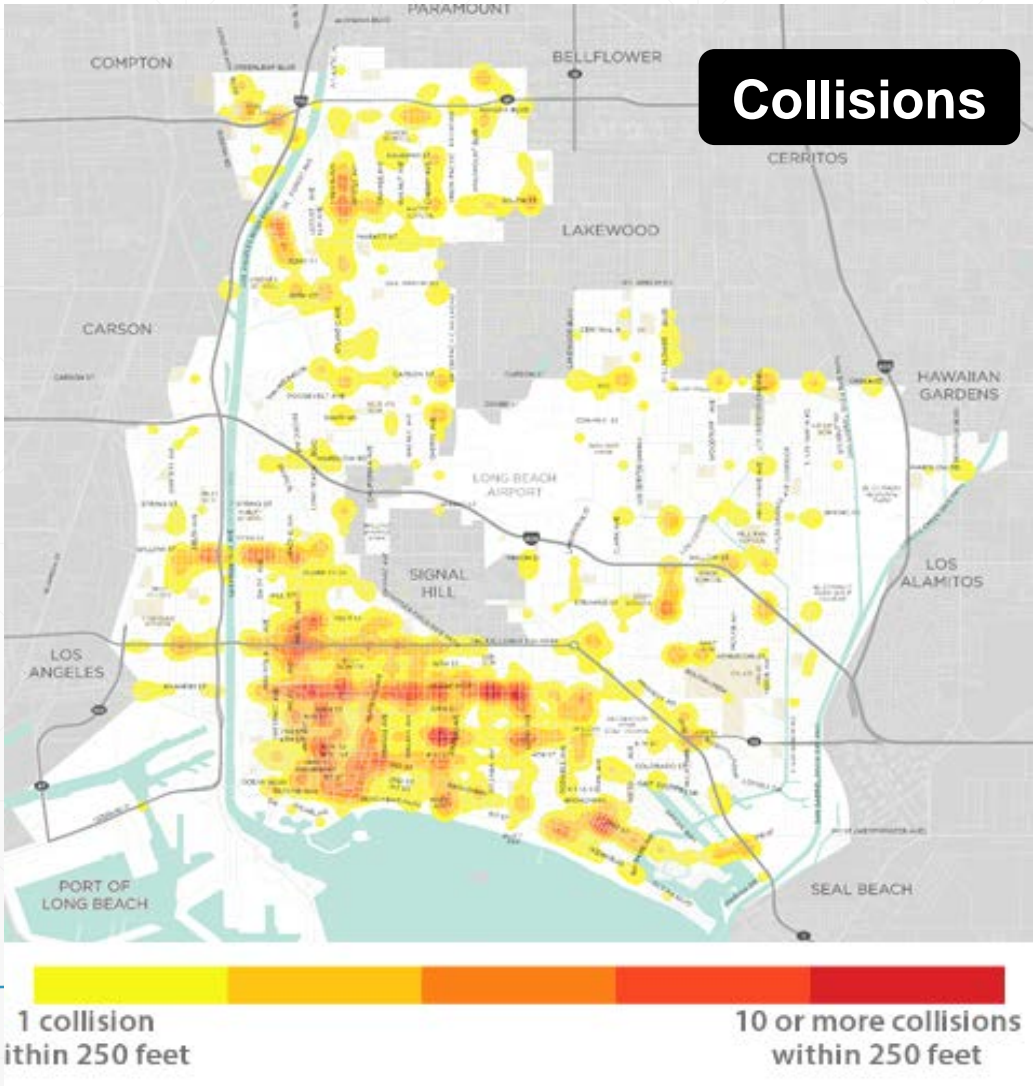


## Types of Bike Facilities People Want in Long Beach





# Bicycle Master Plan



# PROGRAMS & EVENTS

# Bike Share

- Debuted March 2016
- Currently 400 bikes; 71 hubs deployed
- 24,360 active members
- 135,479 total trips taken
- 347,093 total miles traveled
- Average trip duration: 28 min
- Average trip distance: 2.4 miles
- Carbon reduced: 328,517 lbs
- CSULB campus added in September 2017 with 7 stations



\$7

**Pay as you go**

per 60 min.  
prorated by the minute

\$21

**Prepaid**

for 3 hours and get  
1 additional hour fee

\$15

**Monthly Plan**

Includes 90 min.  
daily ride time

\$120

**Annual Plan**

Includes 90 min.  
daily ride time

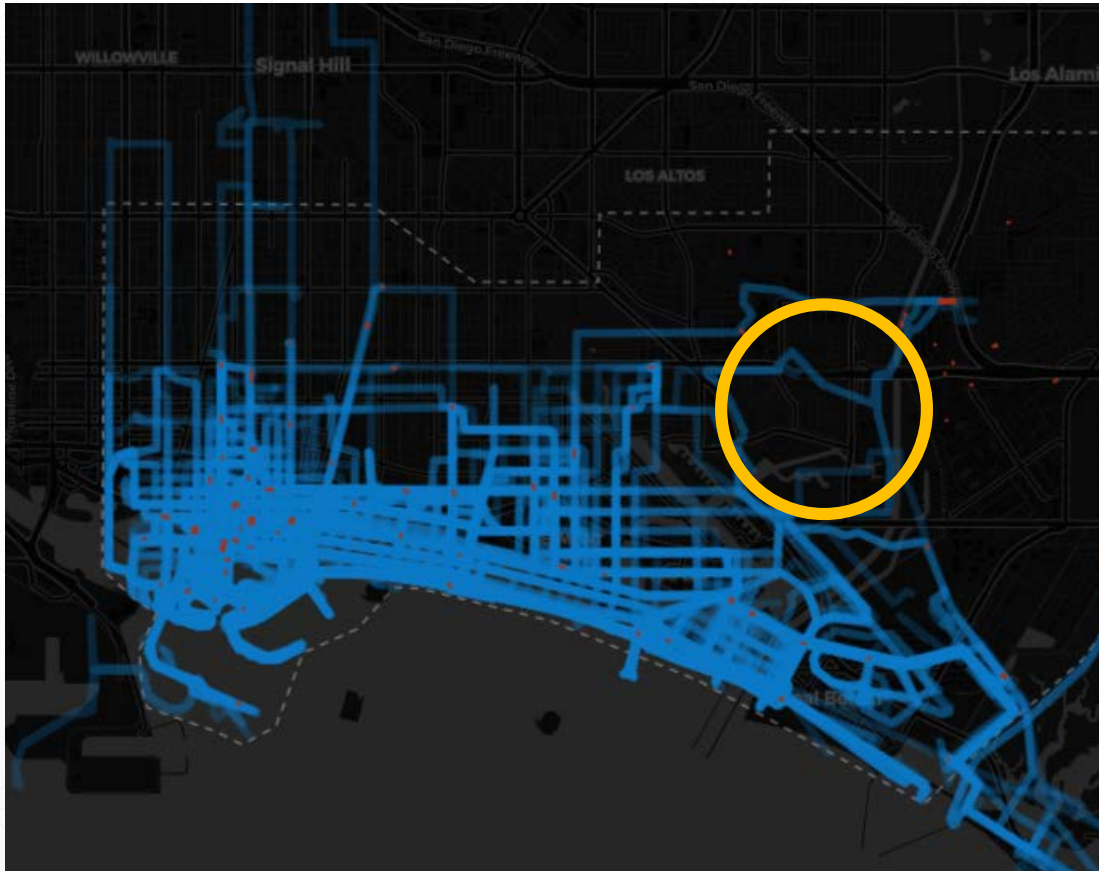
\$7.5

**Student Plan**

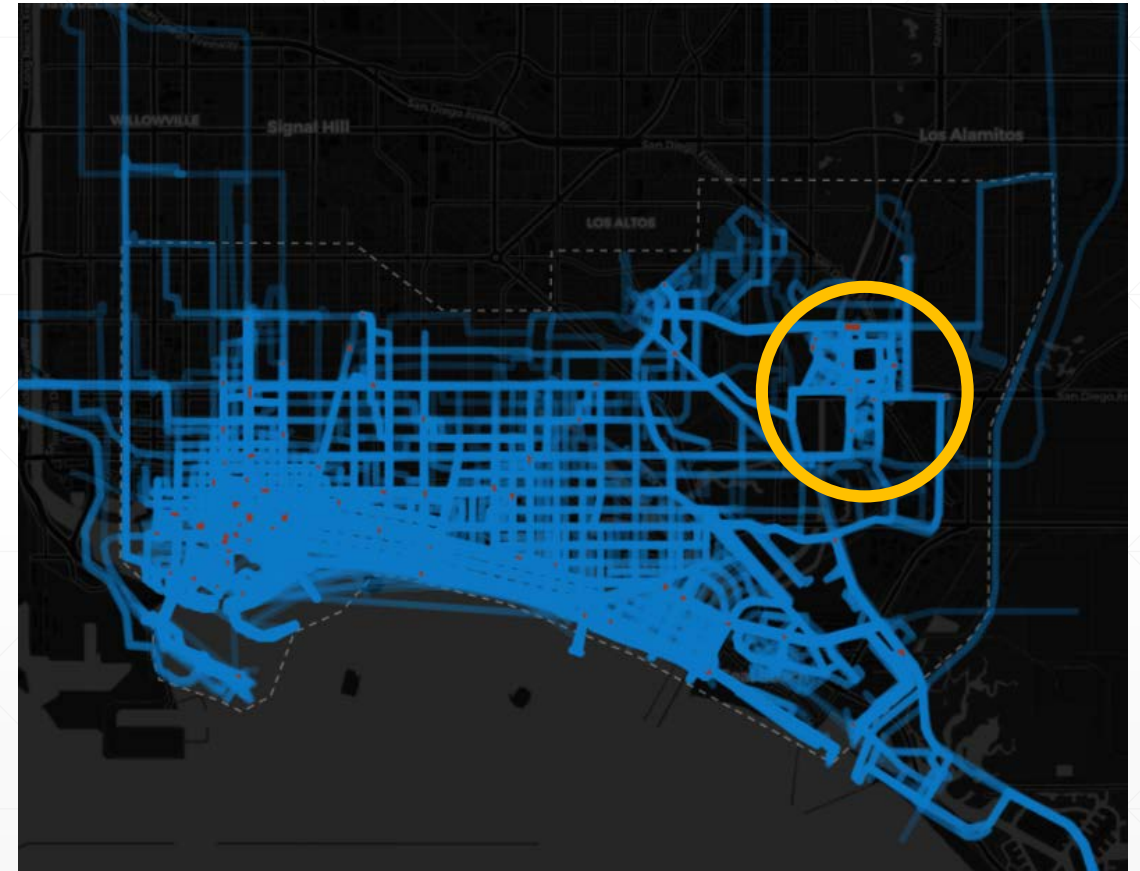
Includes 90 min daily ride time.



# Bike Share Expansion



**December 2016**  
**Before CSULB Expansion**



**Jan 2018**  
**After CSULB Expansion**



# Livability



**14 Fix It Stations &  
11 Hydration Stations**



**Eco-Totem  
Over 1 million people  
counted in 2017**



**Free Summer Bike  
Valet at Bayshore**

# Beach Streets

- Open streets events help residents re-envision roads and encourage active transportation
- 5 Beach Streets events since 2015
  - Uptown, 2015 – 7 miles
  - Downtown, 2016 – 4 miles
  - Midtown, 2016 – 2.5 miles
  - University, 2017 – 4 miles
  - Uptown, 2017 – 7 miles
- Emphasis on healthy living, local businesses, live art and music
- Submitted grant applications to LA County Metro for 4 events in 2019 and 2020
- Next Beach Streets – Summer 2018





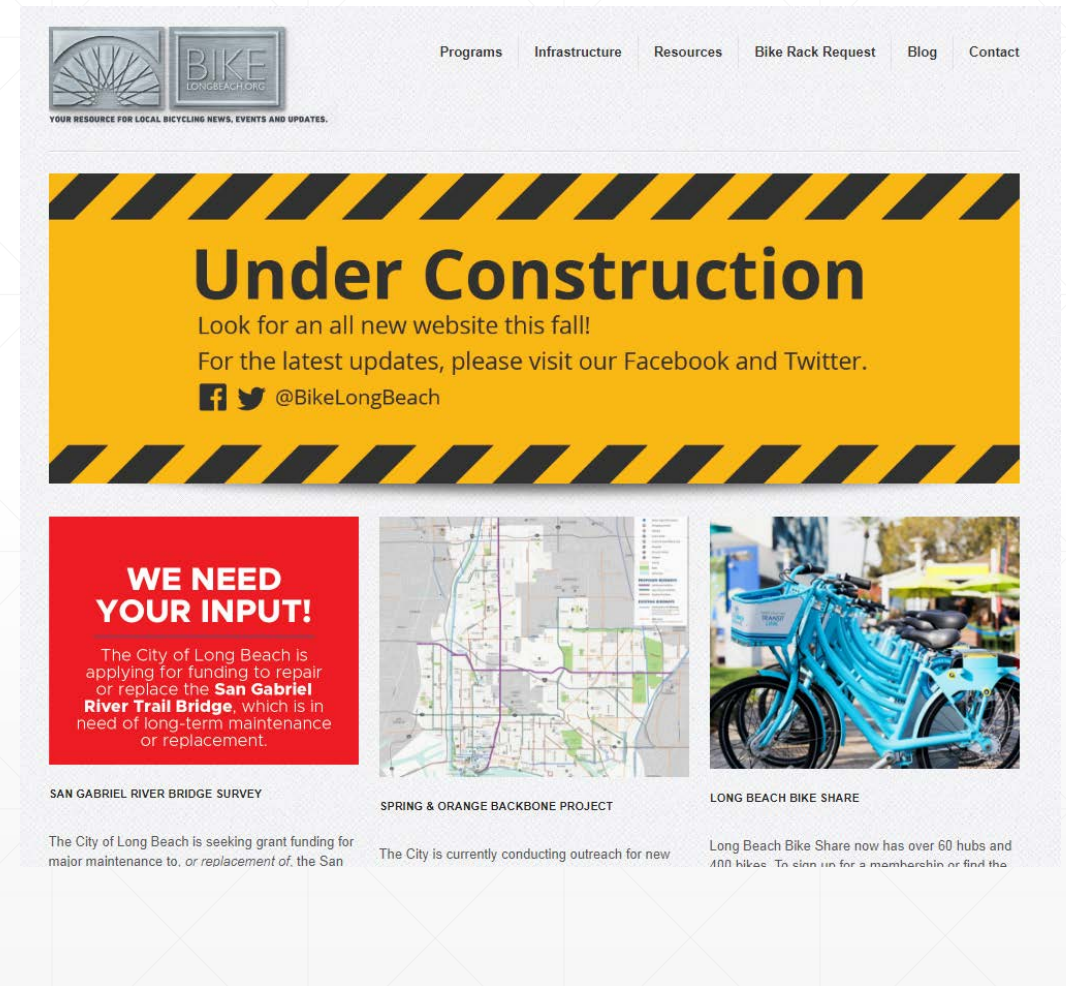
# Events

- Bike Month (May)
  - Bike to Work Day
  - Bike to School Day
  - Community Rides
- Tour of California
- Tour of Long Beach
- Annual Bike Counts (October)
- Youth Summer Bike Camp at Bixby Park



# Rebranding and New Website

- Currently rebranding Bike Long Beach
  - New brand and logo will focus on bicycle and pedestrian projects and programs
- New user-friendly website
  - Project updates
  - Mobility toolkit
  - Newsletter
  - Bike rack requests
  - Maps and routing
  - Safety videos
  - Mobility research library





# Bike Theft Solutions

- **Online Bike Registration – In progress**
  - Online and app-based registration through 529 Garage (formerly National Bike Registry)
  - LBPD can access to help verify ownership
  - Not mandatory but marketed through bike shops, City website and social media, and events
- **Bike Chop Ordinance – In progress**
  - Introduced in Council Feb 2018
  - Would limit number of bicycles and bike parts that can be assembled, stored, or sold in the public right-of-way


## PROTECT YOUR BIKE FROM THEFT IN 5 MINUTES


**Register**  
The Long Beach Police Department and Long Beach Public Works invite you to join 529 Garage, the largest and most advanced online bike registry. To register, just upload key details and photos of your bike through the 529 Garage website or app to assist LBPD in the event of theft.

**Respond**  
If your bike is stolen, use the 529 Garage app or website to immediately alert the LBPD, the 529 community, and your social network.

**Recover**  
Once your bike is found, the information you provided at registration makes it easy to prove ownership and reclaim your ride.

VISIT [PROJECT529.COM/GARAGE](https://PROJECT529.COM/GARAGE) OR DOWNLOAD THE 529 GARAGE APP TO REGISTER:

  + 

REGISTER TODAY AND KEEP BIKE THEFT AT BAY!

## BIKE LOCK TIPS

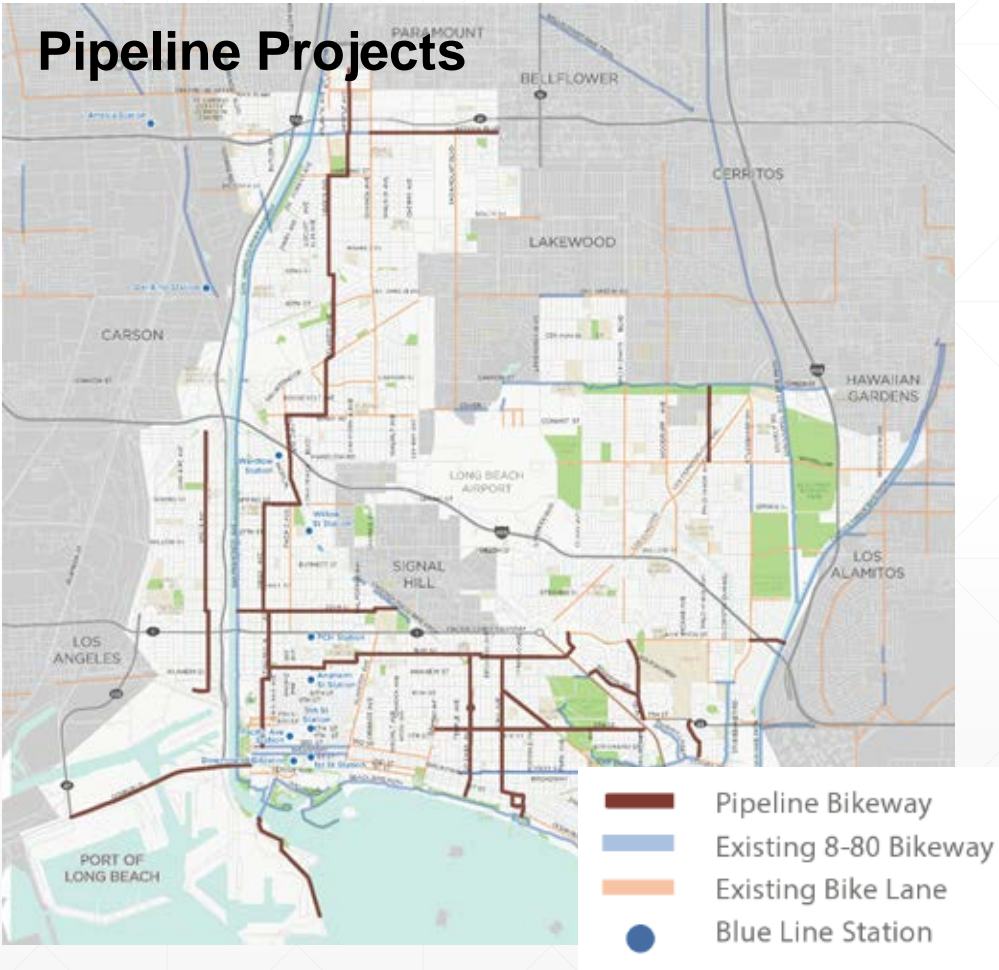
-   
**1 ALWAYS LOCK YOUR BIKE**  
Never leave your bike unlocked, even for a minute.
-   
**2 ALWAYS USE A U-LOCK OR CHAIN**  
Invest in a high-quality lock.
-   
**3 LOCK THE FRAME AND WHEEL TO A SECURE BIKE RACK**  
For extra security, remove the front wheel and lock it with the frame and rear wheel, or secure with separate cable.
-   
**4 KEEP IT INSIDE OVERNIGHT**  
and your bike will be alright.

# PROJECTS

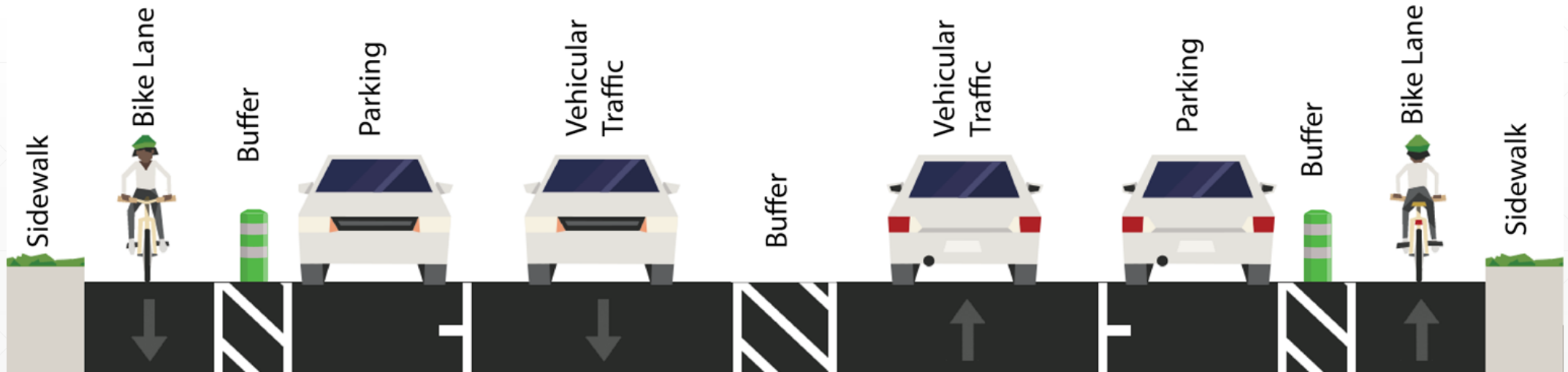


# Building Projects for Ages 8-to-80



# Protected Bike Lanes

- Higher Traffic Volumes
- Business Corridors/Density





# Protected Bike Lanes

## Completed Projects

- Third & Broadway
- Artesia Blvd
- Studebaker Rd (Spring to Wardlow)
- Orange Avenue

## Under Construction

- Bellflower Blvd (Resurfacing Project)

## Funded Projects

- Broadway (Alamitos to Redondo)
- Artesia Blvd
- Studebaker Rd (Stearns to Spring)

## Conceptual Projects

- Spring and Orange Backbone



# Bicycle Boulevards

- Reduces traffic volumes
- Neighborhood traffic calming treatments: traffic circles, roundabouts, and bulb-outs
- Supports Protected Bike Lanes on Arterials





# Bicycle Boulevards

## Completed Projects

- Vista Avenue
- 6th Street

## Under Construction

- Daisy Avenue

## Funded Projects

- 15th Street
- Delta Avenue
- Loma Avenue
- 20<sup>th</sup> Street

## Conceptual Projects

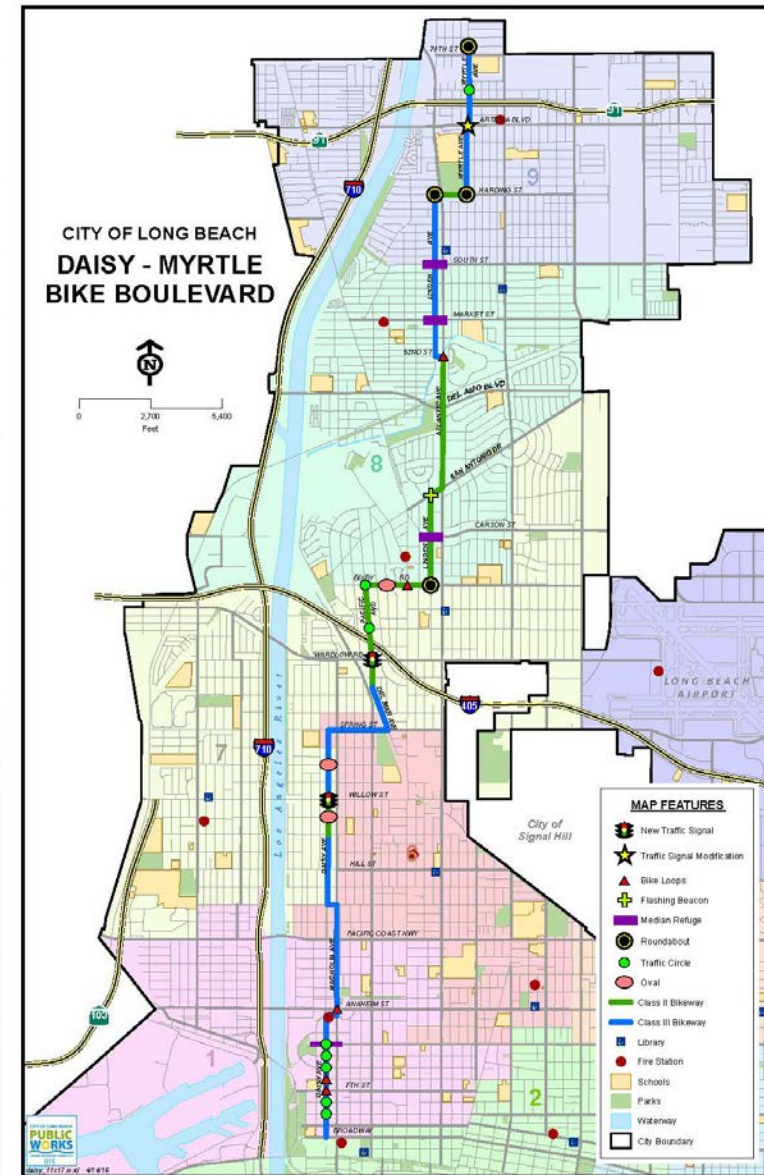
- 11th Street
- Walnut Avenue
- Pine Avenue





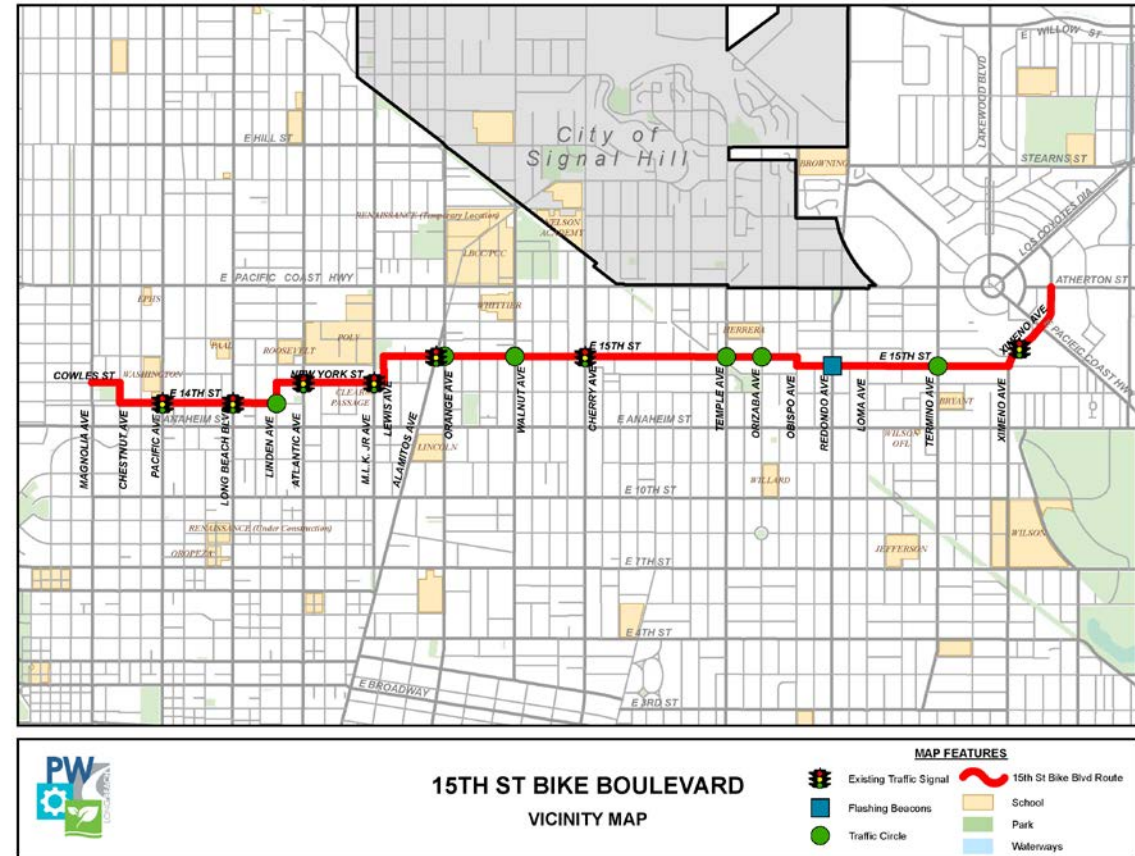
# Daisy Bicycle Boulevard

- 9.5 miles
- Construction begins March 2018 with estimated completion in October 2018
- Connects 22 schools, 12 parks, 3 libraries, 60+ bus stops
- 25 traffic calming treatments to mitigate speeding in neighborhoods
  - New signal at Daisy and Willow
  - Flashing beacon at Linden Ave and San Antonio Ave
  - Bike detection
  - Traffic circles/ovals
  - Roundabouts



# 15<sup>th</sup> Street Bicycle Boulevard

- 3.7 mile corridor
- Design complete; Construction will begin in late 2018
- Traffic calming treatments to mitigate speeding in neighborhoods
  - 6 new traffic circles
  - Flashing beacon at Redondo Ave.
- Connects to Daisy Bike Blvd, 14<sup>th</sup> Street Park, and Poly HS
- Alternative route to Anaheim St.





# BENEFITS

# Benefits of Bicycle Infrastructure

- **Public Health** - A San Francisco Bay Area study found that increasing biking and walking from 4 to 24 minutes a day on average would reduce cardiovascular disease and diabetes by 14% and decrease GHGE by 14%. (Maizlish, N. et al 2012)
- **Air Quality** - Half of U.S. schoolchildren are dropped off at school by car. If 20% of those living within two miles of school were to bike or walk instead, it would save 4.3 million miles of driving per day. Over a year, that would prevent 356,000 tons of CO<sub>2</sub> and 21,500 tons of other pollutants from being emitted. (Pedroso, M., 2008)
- **Household Travel Costs** – Californian's spend 13% to 15% of income on transportation (Rice, 2004); Car owners in US spend \$8,469 per year on their vehicles (AAA, 2013). The average cost of owning and operating a bicycle is around \$350 (AARP, 2017)
- **Health Care Cost Savings**- A report estimated that Portland, Oregon's regional trail network saves the city approximately \$115 million per year in healthcare costs. (Beil, K., 2011)
- **Safety** - One year after the installation of the 3<sup>rd</sup> and Broadway cycle track in Downtown, bicycle and pedestrian collisions decreased by 60% and wrong way riding decreased by 30%. (FHWA & City of Long Beach, 2012)





# Questions



**Michelle Mowery**, Mobility & Healthy Living Programs Officer  
**Rachel Junken**, Transportation Programs Planner  
**Department of Public Works**