

# TRANSPORTATION PRINCIPLES

BALBOA RESERVOIR CAC - NOVEMBER 30, 2015



# WHY TRANSPORTATION PRINCIPLES?

## **MEANS TO AN END: LOCAL PRIORITIES**

- Large Open Space
- Affordable housing for all incomes, workforce
- Neighborhood Character
- Better parking solutions
- Better connections to destinations, weekly needs and services
- Pedestrian safety and ability to walk
- Paths and walking routes
- Small open spaces

# TRANSPORTATION PRINCIPLES TO CREATE GREAT PLACES





# TRANSPORTATION PRINCIPLES **TO GET AROUND**



# TRANSPORTATION PRINCIPLES TO GET WHERE WE NEED TO GO





# TRANSPORTATION PRINCIPLES **FOR SUSTAINABILITY**





# TRANSPORTATION PRINCIPLES FOR HEALTH



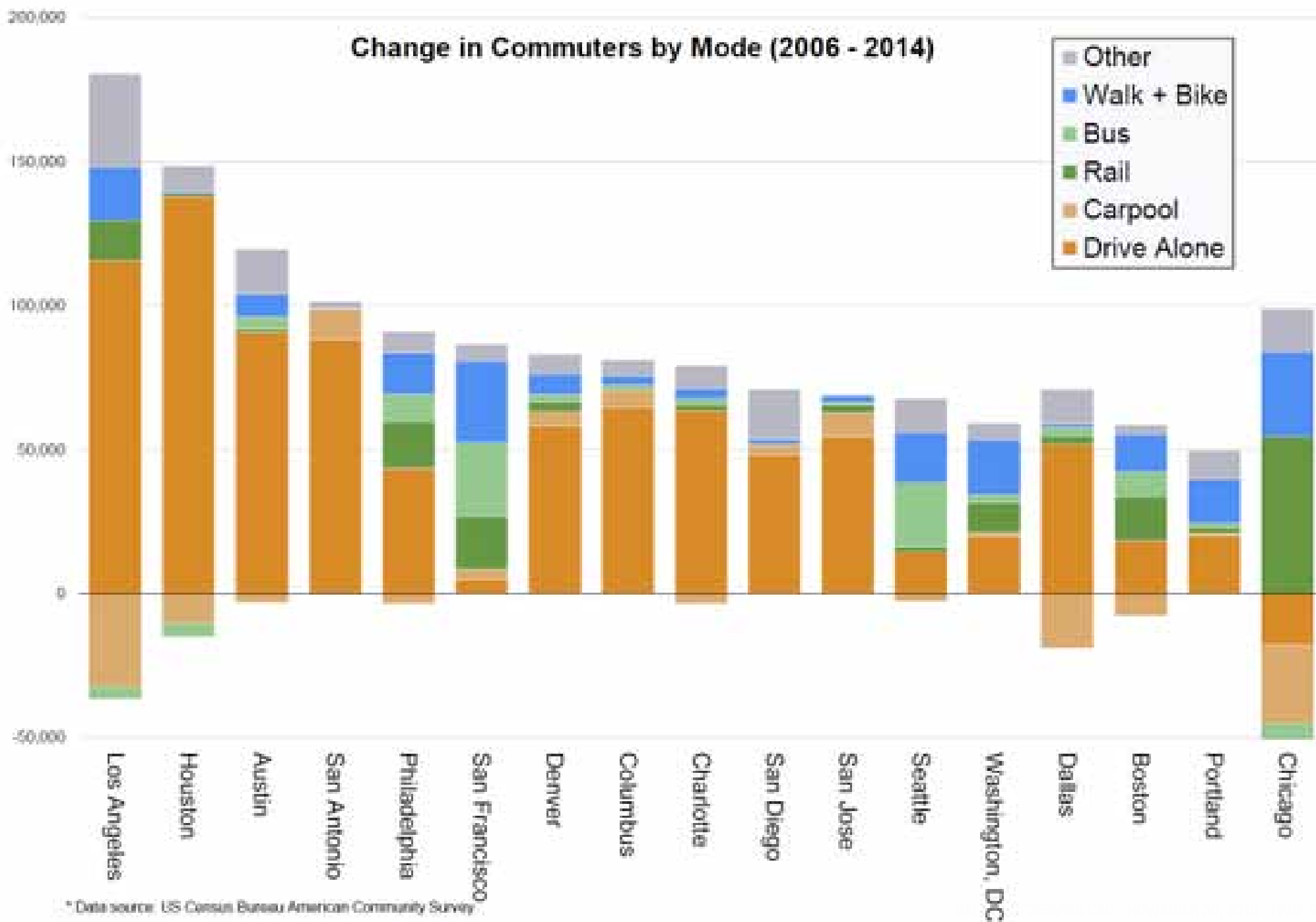


# TRANSPORTATION **FOR ALL AGES, ABILITIES & MEANS**





# WHAT DOES THE DATA SHOW?





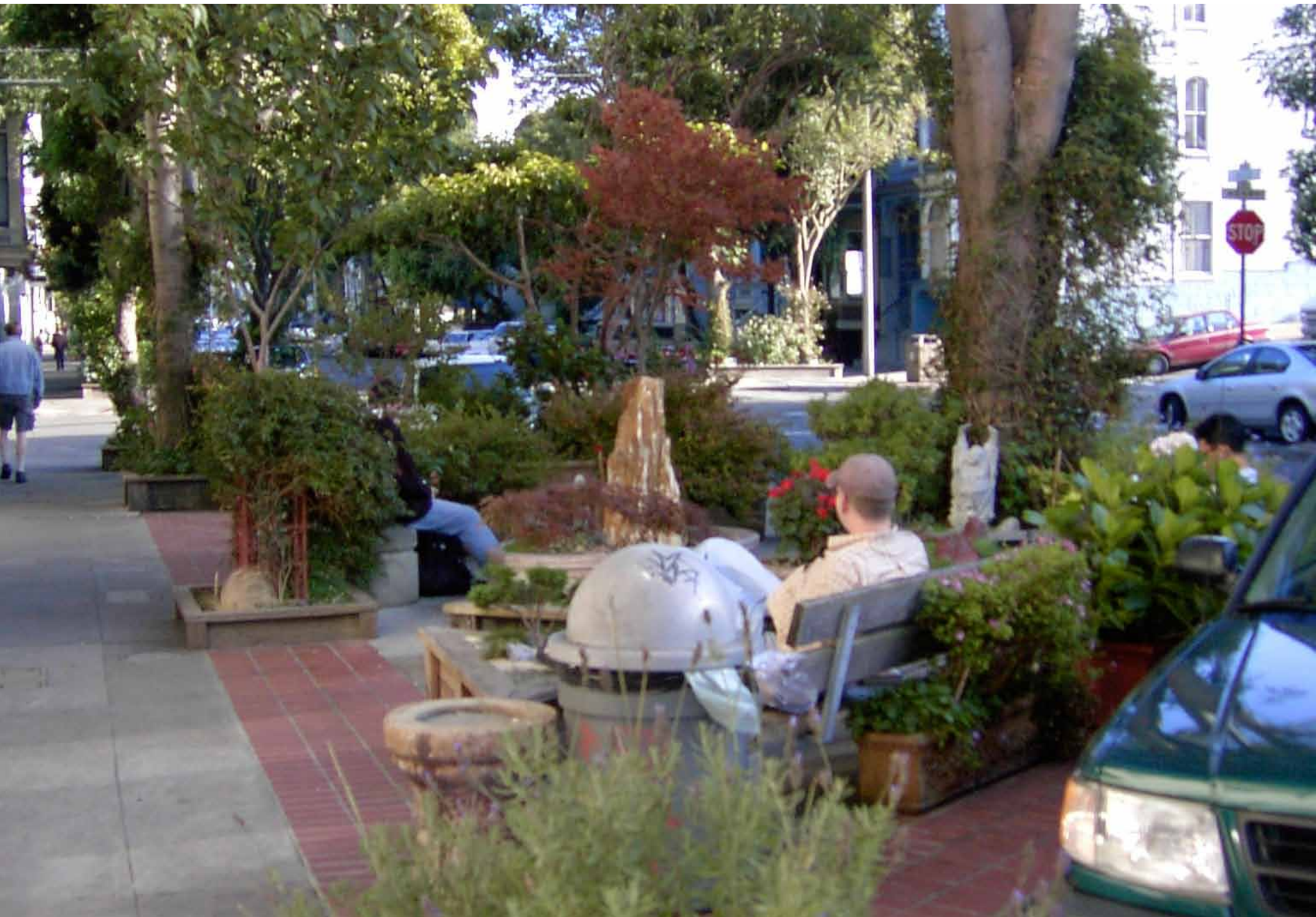
# TRANSPORTATION PRINCIPLES **FOR WHAT WE CAN CHANGE**



Source: [blogs.wgbh.org/media/cms\\_page\\_media/2013/11/8/rendell%20traffic\\_1.jpg](https://blogs.wgbh.org/media/cms_page_media/2013/11/8/rendell%20traffic_1.jpg)

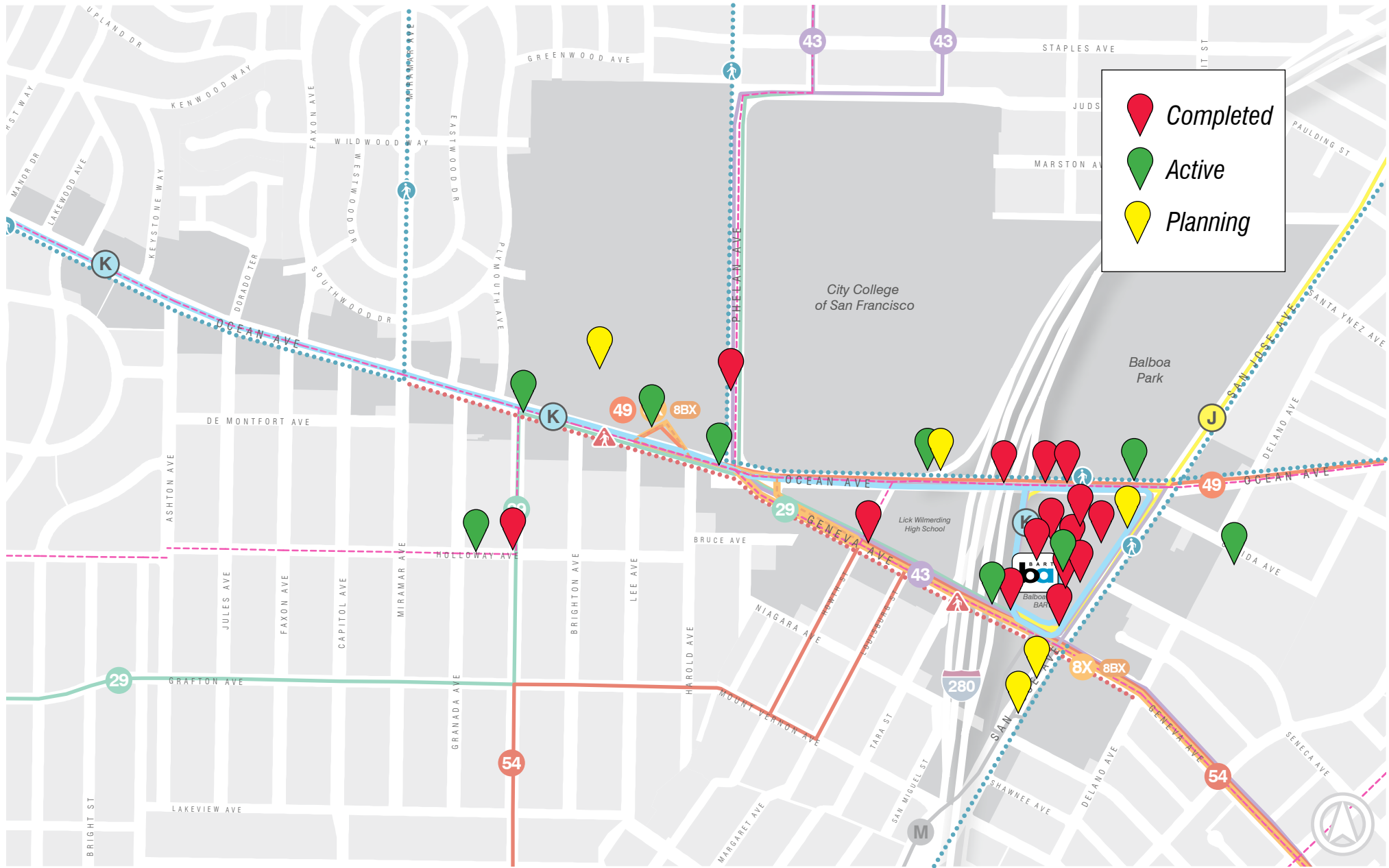


# TRANSPORTATION PRINCIPLES **FOR WHAT WE CAN CHANGE**



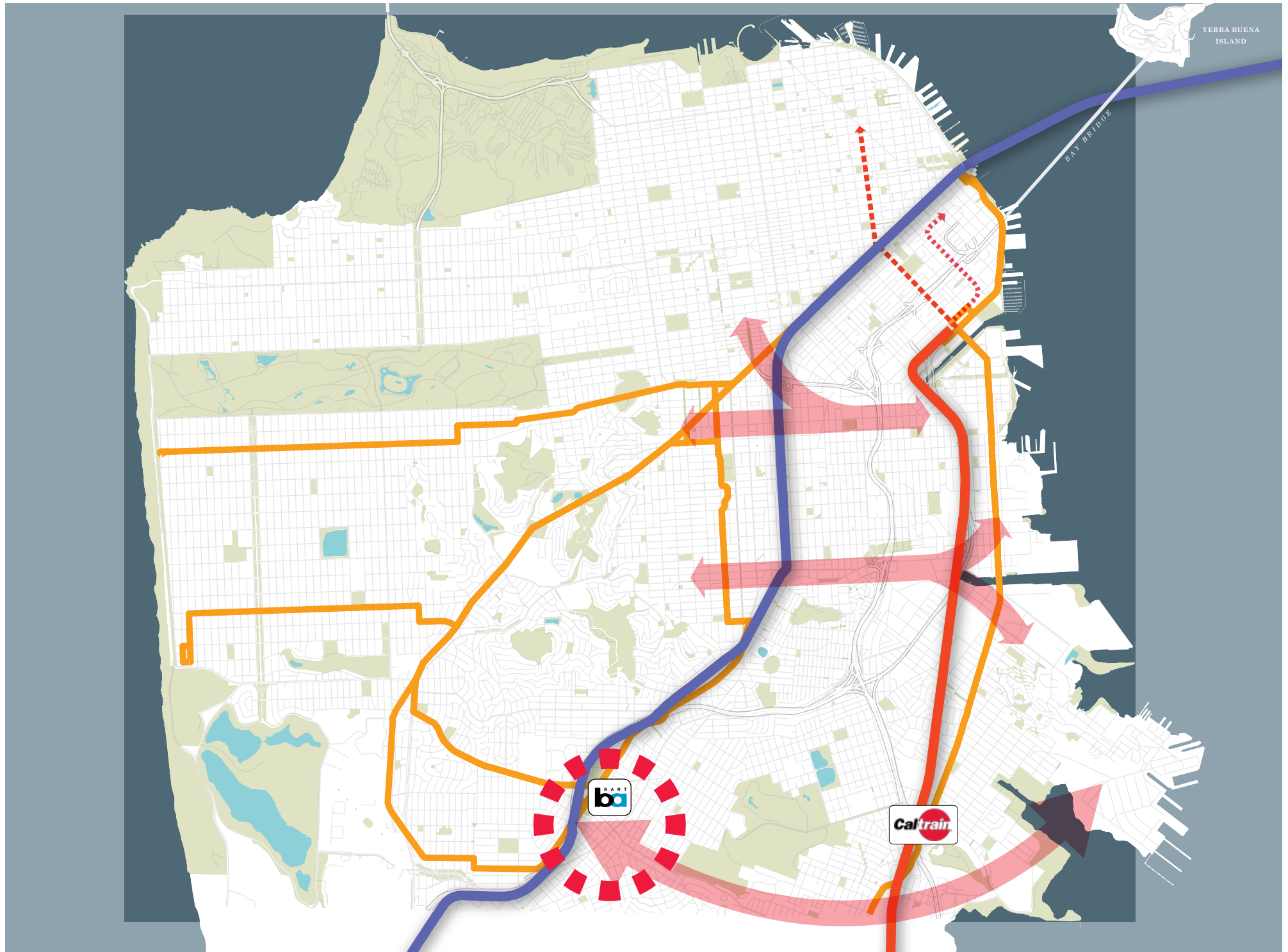


# LOCAL TRANSPORTATION SOLUTIONS ALREADY IN PROGRESS



Adapted from <https://www.sfmta.com/projects-planning/projects/balboa-park-station-project-status-map>

# LOCAL TRANSPORTATION SOLUTIONS ALREADY IN PROGRESS





# COMING: **BALBOA TRANSPORTATION DEMAND STUDY**





# TRANSPORTATION PRINCIPLES **FOR POTENTIAL DEVELOPER PARTNERS**

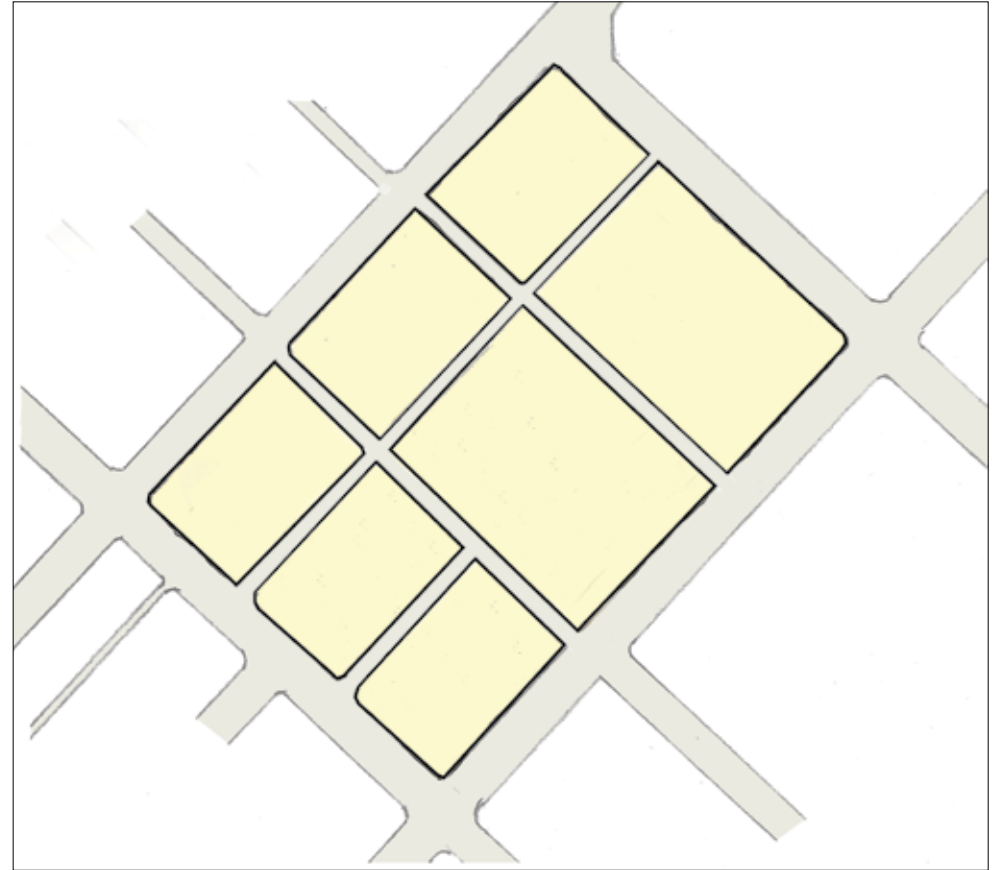
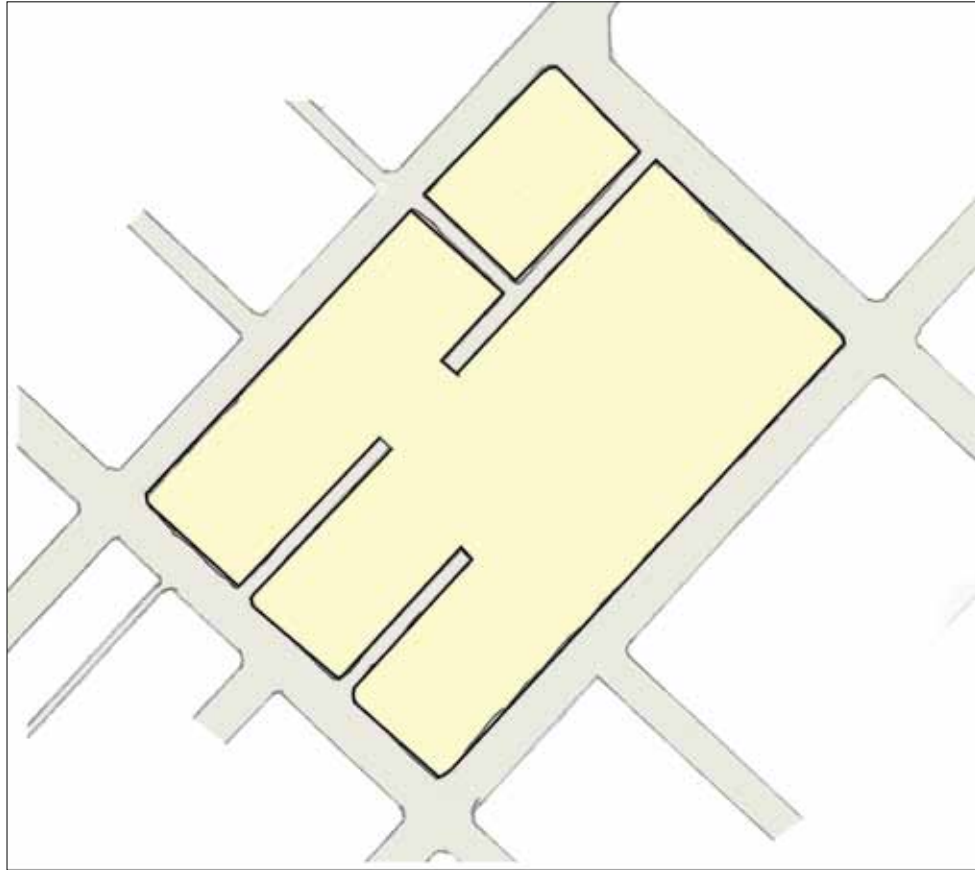


# PRINCIPLE 1: MANAGE CONGESTION, MAXIMIZE PED SAFETY





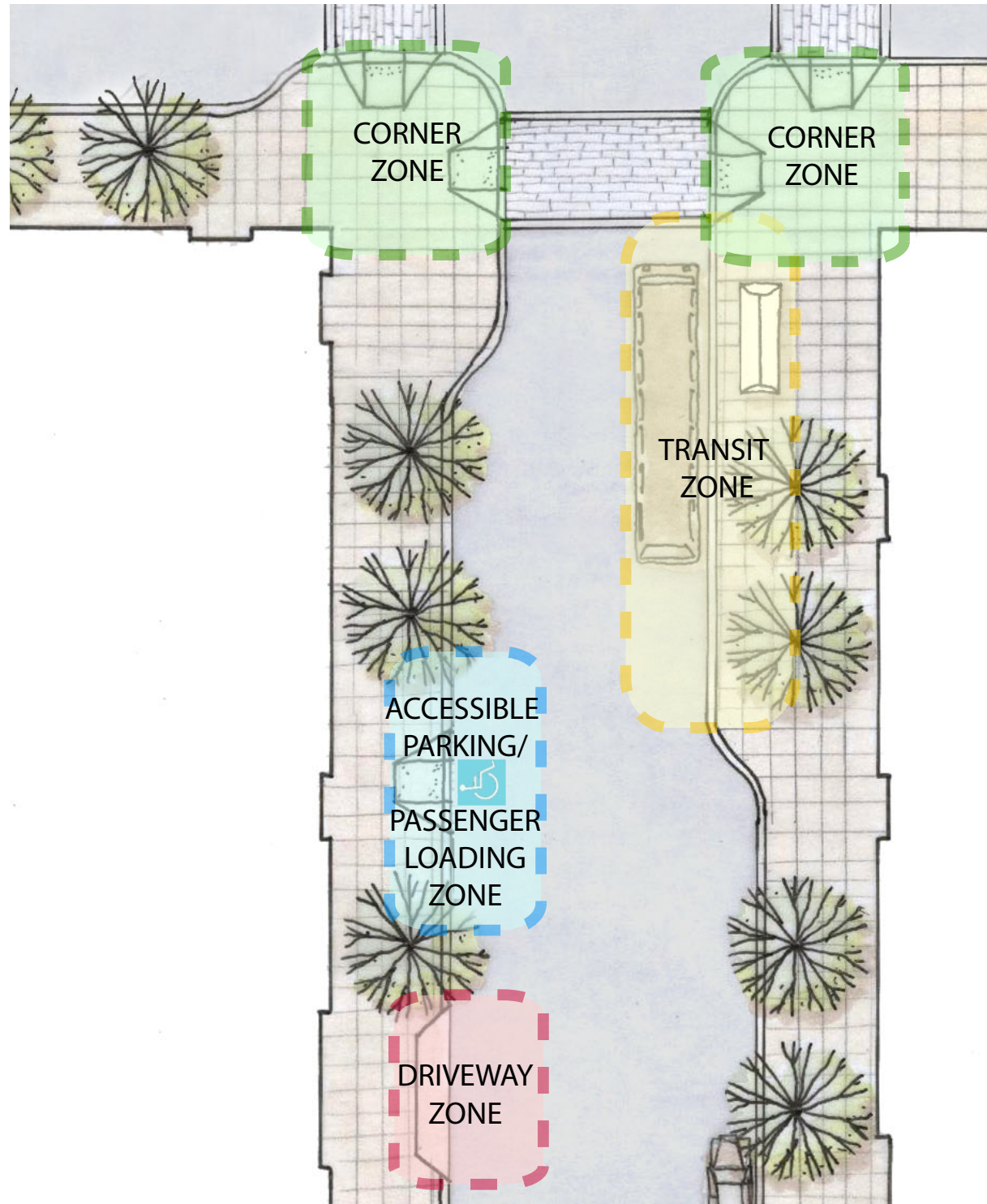
# PRINCIPLE 1 | **CONNECT PEDESTRIAN ROUTES**



*Source: SF Planning, draft urban design guidelines*

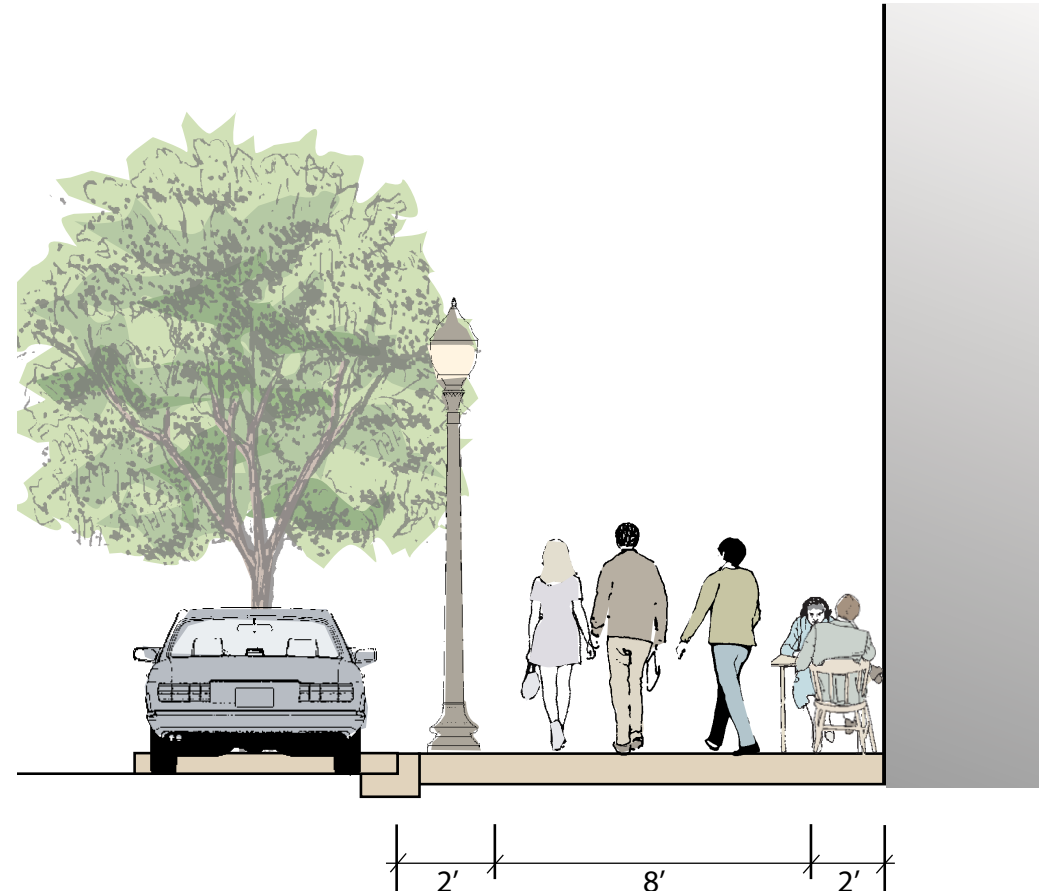
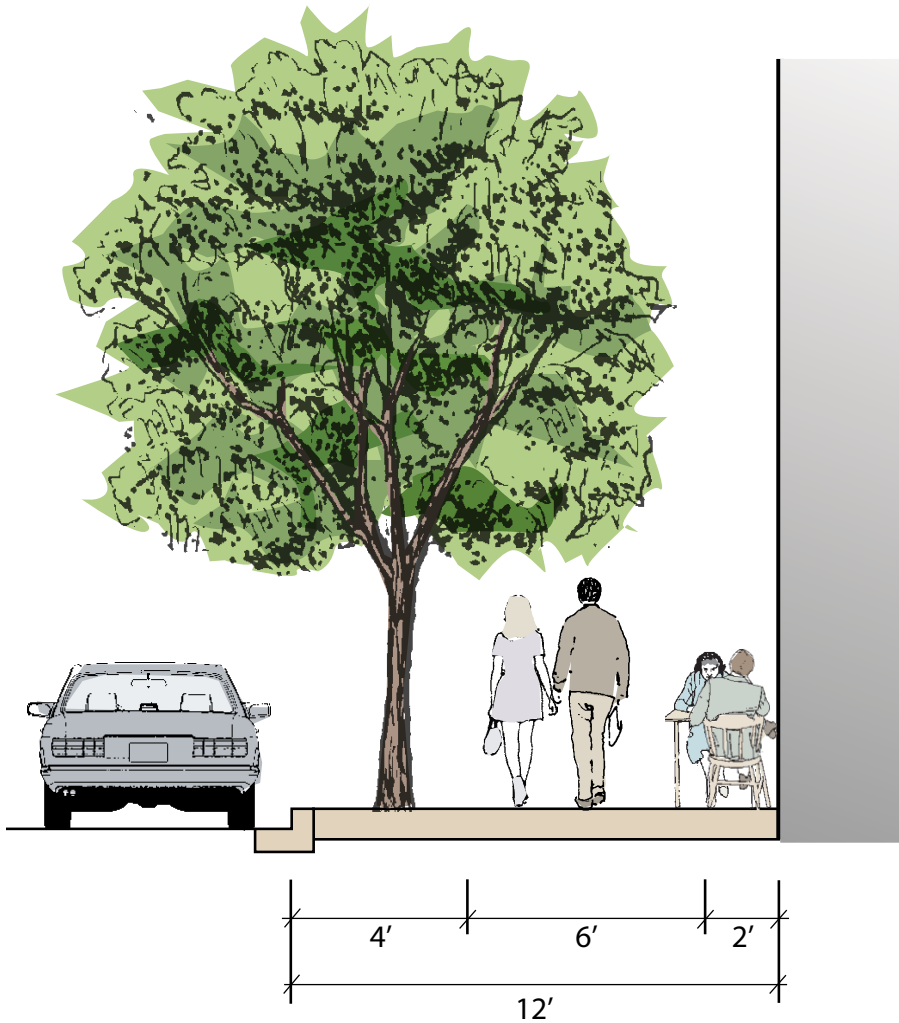


# PRINCIPLE 1 | MINIMIZE CONFLICTS & QUEUES IN PED REALM



Source: SF Planning, Better Streets Plan

# PRINCIPLE 1 | DESIGN SAFE, WIDE PEDESTRIAN ROUTES



Source: SF Planning, Better Streets Plan



# PRINCIPLE 2: INCREASE TRANSPORTATION CHOICES





## PRINCIPLE 2 | MAKE CARSHARING EASY FOR ALL RESIDENTS







PRINCIPLE 2 | **LOWER THE BARRIERS TO TRANSIT**

## PRINCIPLE 2 | DESIGN BIKE FACILITIES FOR ALL USERS





## PRINCIPLE 2 | **MAKE WALKING EASY**





## PRINCIPLE 2 | MAKE DELIVERIES EASY



The collage consists of three photographs. The top-left photo shows a modern, light-colored wooden cabinet with multiple small white drawers, likely for mail or small packages, in a bright, minimalist interior. The top-right photo shows a man and a woman interacting at a wooden service counter with a glass partition, suggesting a delivery or service point. The bottom-left photo shows a variety of fresh food items, including bread, vegetables, and jars, representing a food delivery.





PRINCIPLE 2 | **PARTNER ON CAPITAL IMPROVEMENTS**



# PRINCIPLE 3: MANAGE PARKING AVAILABILITY





# PRINCIPLE 3 | **MANAGE PARKING MORE EFFICIENTLY**

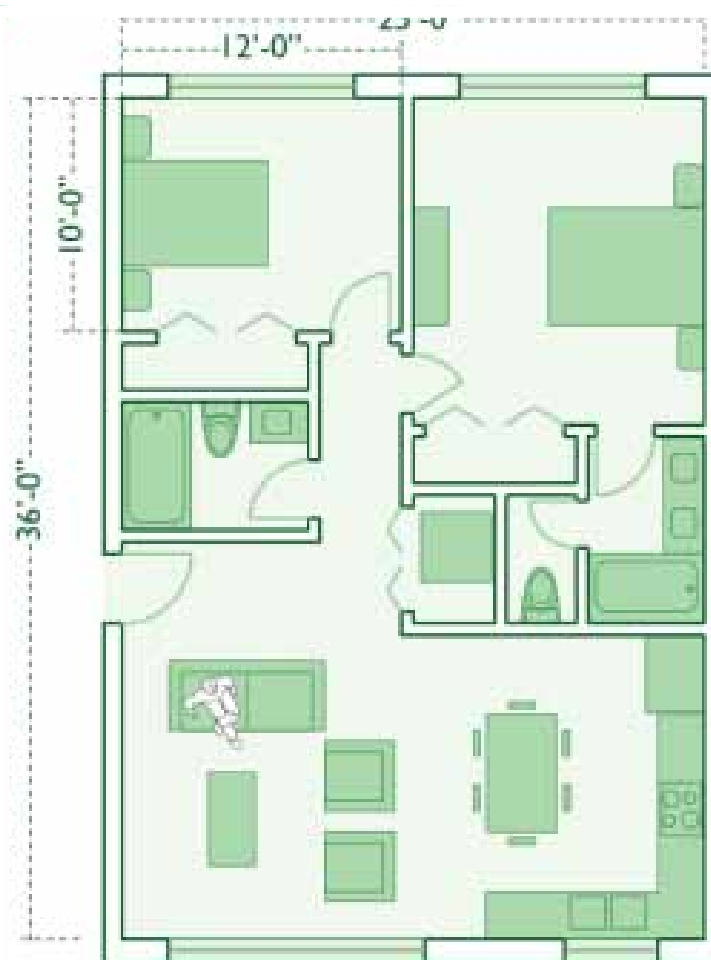


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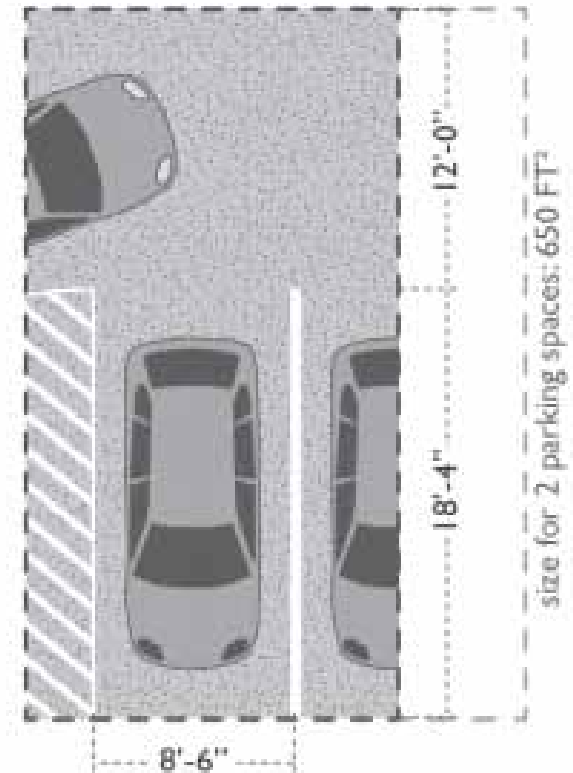
Source: SF Planning Department Time Lapse Video

# PRINCIPLE 3 | UNBUNDLE PARKING

- ***Each parking space increases unit price 15-30%***
- ***Fannie Mae provides \$100,000 extra mortgage to those giving up of a car***
- ***At 300 sq ft, parking consumes more space than an efficiency apartment***
- ***State Assembly Bill 744 reducing car requirements for affordable housing***
- ***Balboa Reservoir Proposal: At 0.5 parking spaces per unit, family units can still have option for car, others will opt out at market-rate parking***



**2 BEDROOM APARTMENT**  
**900 FT<sup>2</sup>**



**1.5 PARKING SPACES**  
**INCLUDING AISLES**  
**488 FT<sup>2</sup>**

Sources: "A Heavy Load: The Combined Housing and Transportation Burdens of Working Families," Center for Neighborhood Technology, 2006. "The Affordability Index: A New Tool for Measuring the True Affordability of a Housing Choice," Center for Neighborhood Technology, 2008. Sedway Cook studies of parking and housing costs in San Francisco and Oakland. Image: Sightline Institute



# PRINCIPLE 3 | **PARKING IS EXPENSIVE, INCENTIVIZE CHOICES**



*Sources: VTPI, Nelson Nygaard, Don Shoup*

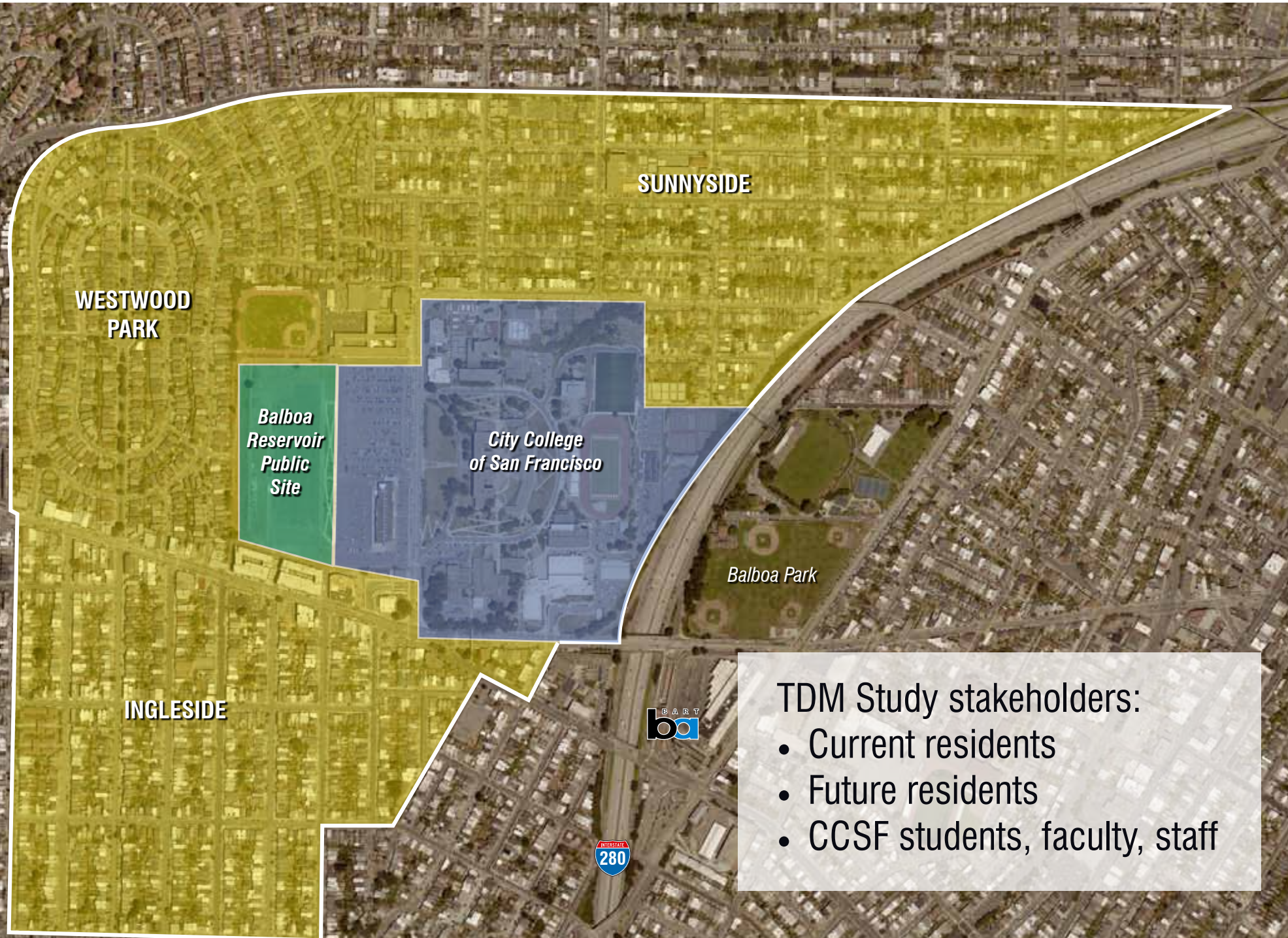
# PRINCIPLE 3 | UNMANAGED PARKING PRODUCES CONGESTION

- *Poorly managed parking results in drivers circling for a parking space*
- *Eliminating just 10% of vehicles from any congested location makes traffic free flowing*
- *Providing more parking than traffic capacity to access that parking can increase congestion*





# PRINCIPLE 3 | TRANSPORTATION DEMAND MANAGEMENT



TDM Study stakeholders:

- Current residents
- Future residents
- CCSF students, faculty, staff



# PRINCIPLE 4 | ENGAGE RESIDENTS, STUDENTS & OTHERS



**Public transportation is good for the environment.**

- It keeps over 45,000 vehicles off crowded St. Louis area streets each day.
- Across the nation, drivers would be stuck in traffic an additional 796 million hours per year if there was no transit.
- Nationally, it saves 37 million metric tons of carbon dioxide annually.
- It can reduce a household's carbon emissions by 30 percent.
- It saves the United States 4.2 billion gallons of gasoline annually.
- It far exceeds the combined benefits of using CFL light bulbs, adjusting thermostats, and weatherizing one's home.
- Public transportation use saves the equivalent of 900,000 automobile fill-ups every day nationwide.



Plan your route at [metrostlouis.org](http://metrostlouis.org) or call 314-231-2345



**Metro**  
[www.metrostlouis.org](http://www.metrostlouis.org)

**Metro. Connecting People with Places.**



**ON BOARD!**

More information:  
a small leaflet

314-231-2345  
metrostlouis.org



# PRINCIPLE 4 | WAYFINDING



Source: [porticogroup.com/project\\_images/mnzc2.png](http://porticogroup.com/project_images/mnzc2.png)

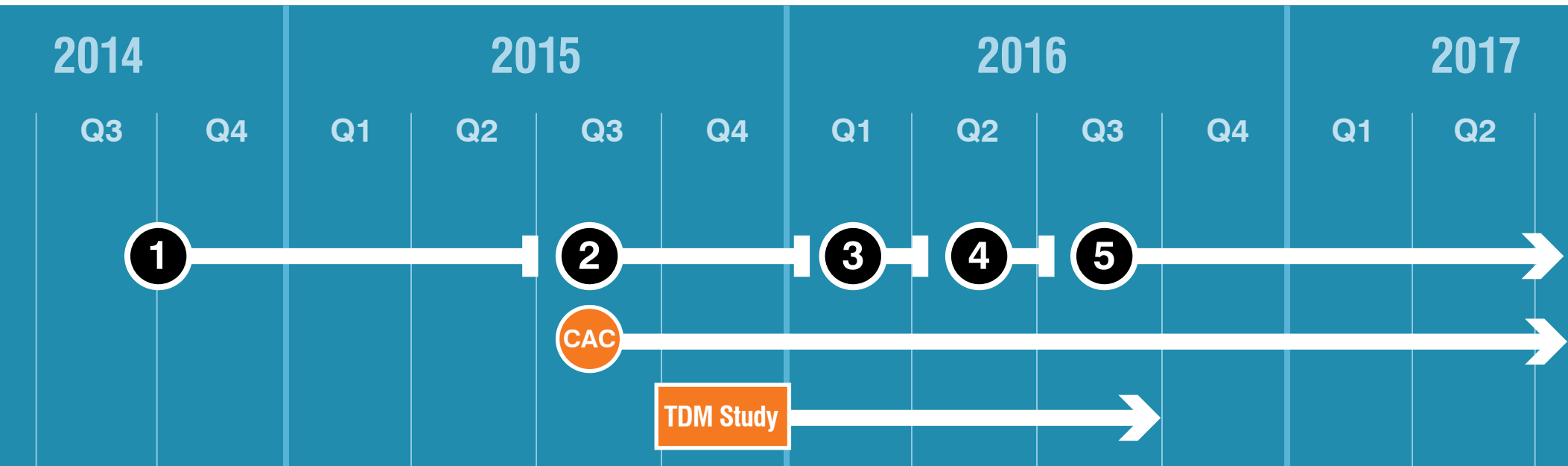


# PRINCIPLE 4 | REAL TIME INFORMATION





# TRANSPORTATION CONVERSATION WILL CONTINUE



## 1 Initial community outreach

Public meetings  
Neighborhood associations  
Non-profit organizations  
Public questionnaires

## 2 Develop Request for Proposals (RFP)

Based on public comments and  
Citizens Advisory Committee input

## 3 Release Request for Proposals (RFP)

Requesting competitive  
proposals for site development

## 4 Review proposals Developer-partner selected

through competitive process

## 5 Further community outreach, Refine design

Community and developer  
collaborate to refine design

## CAC Citizens Advisory Committee

Public forum  
RFP feedback

# THANK YOU!

For comments please email us  
**BRCAC@SFGOV.ORG**

For information and updates, visit  
**[www.sf-planning.org/balboareservoir](http://www.sf-planning.org/balboareservoir)**

