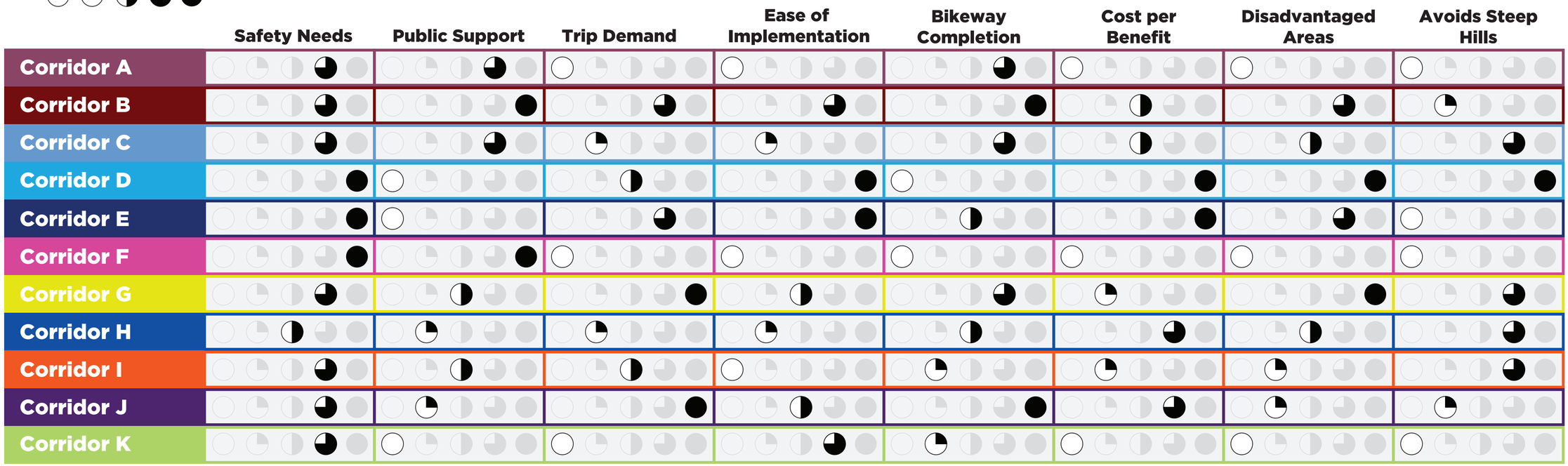
CORRIDOR EVALUATION

OC Foothills Bikeways Collaborative

Lower . . . . . Higher

○ ◔ ◑ ◕ ●



	Safety Needs	Public Support	Trip Demand	Ease of Implementation	Bikeway Completion	Cost per Benefit	Disadvantaged Areas	Avoids Steep Hills
●	D, E, F	B, F	G, J	D, E	B, J	D, E	D, G	D
◕	A, B, C, G, I, J, K	A, C	B, E	B, K	A, C, G	H, J	B, E	C, G, H, I
◑	H	G, I	D, I	G, J	E, H	B, C	C, H	
◔		H, J	C, H	C, H	I, K	G, I	I, J	B, J
○		D, E, K	A, F, K	A, F, I	D, F	A, F, K	A, F, K	A, E, F, K

alta PLANNING + DESIGN FEHR & PEERS

Orange County Foothills Bikeways Collaborative

Evaluation Method

Each of the regional priority bikeway corridors identified in the OC Foothills area were evaluated using the criteria below:

1. Safety Factors - Collisions: examines historic crash data for the corridor. Level of Traffic Stress: addresses perceived safety related to posted traffic speeds, traffic volumes and existing bikeway type. High stress routes are prioritized for treatment.

2. Public support: incorporates public priorities through a Public Demand Index. A combination of "votes" from the survey and public roundtable events were used as inputs.

3. Trip Demand: based on the OCTA Bicycle Priority Index (BPI), a measure of population and employment density, land use, local schools and transit that influences usage.

4. Constraints: tallies physical constraints such as right-of-way, on-street parking, and other 'chokepoints.' Higher scoring corridors are considered easier to implement and therefore prioritized for treatment.

5. Bikeway completion: measures the potential to 'complete' a longer corridor and completion of the regional network.

6. Economic Efficiency: measures the financial benefits associated with the corridor, considering the number of anticipated users compared to construction cost estimates.

7. Grades: measures how steep roadways are to help riders determine preferable routes.

8. Equity: measures a route's ability to provide transportation options to socially disadvantaged areas

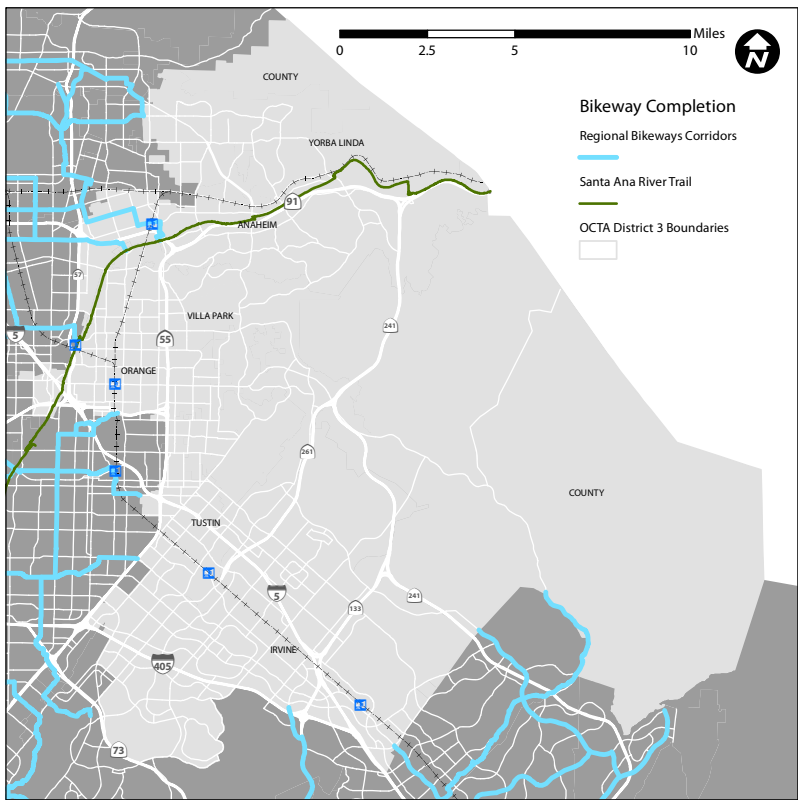


Figure 1: Bikeway Completion

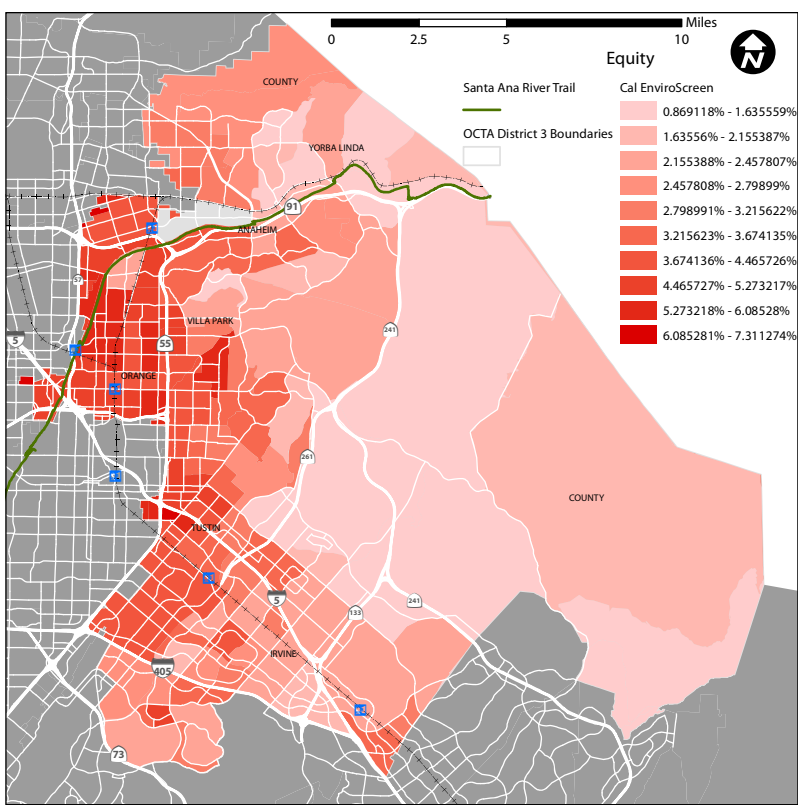


Figure 2: Equity

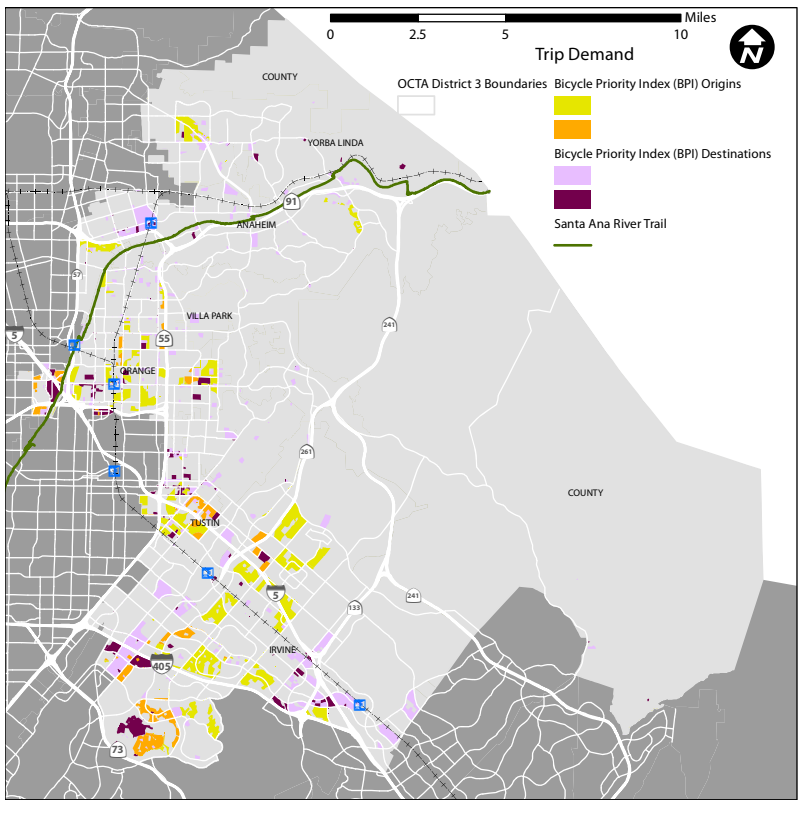


Figure 3: Trip Demand

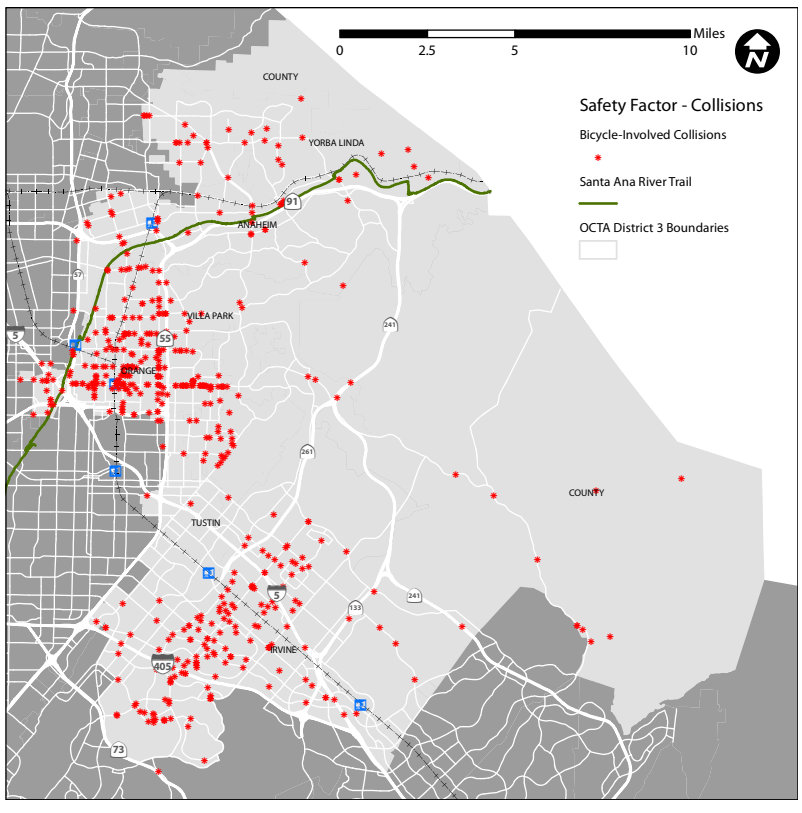
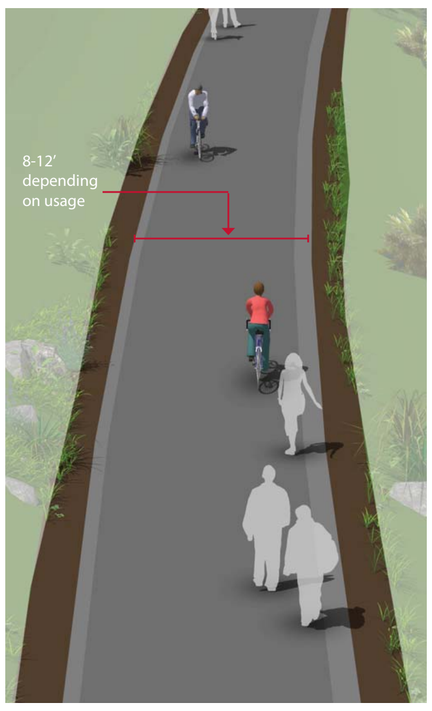
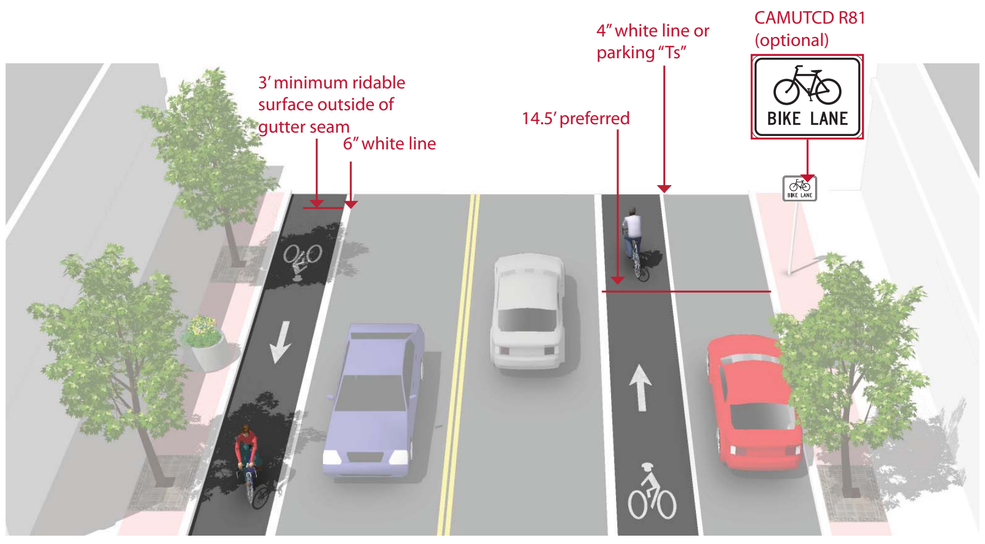


Figure 4: Collisions

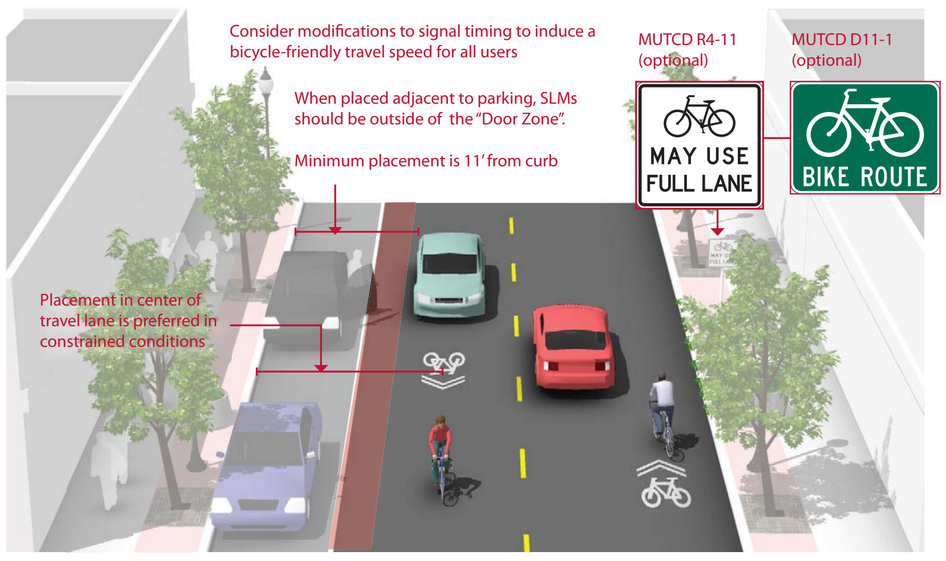
BICYCLE FACILITY TYPES



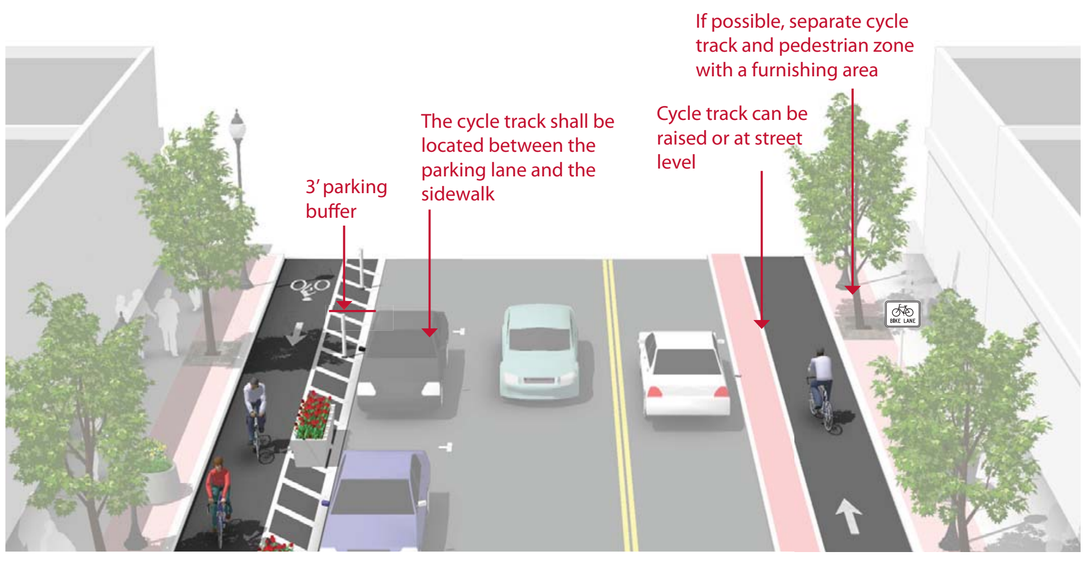
CLASS I
SHARED USE PATH



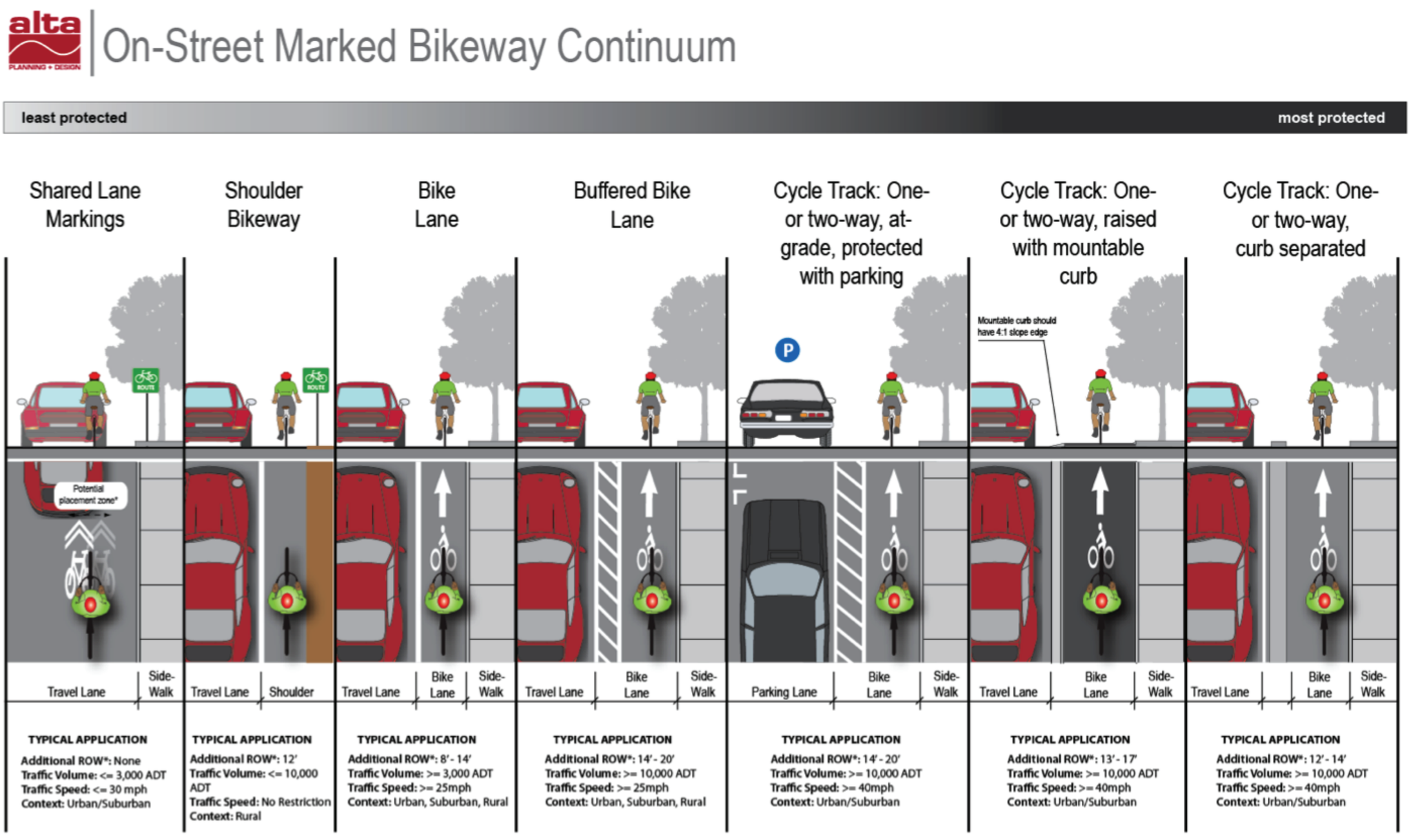
CLASS II
BIKE LANE



CLASS III
BICYCLE BOULEVARD



CLASS IV
BUFFERED BIKE LANE



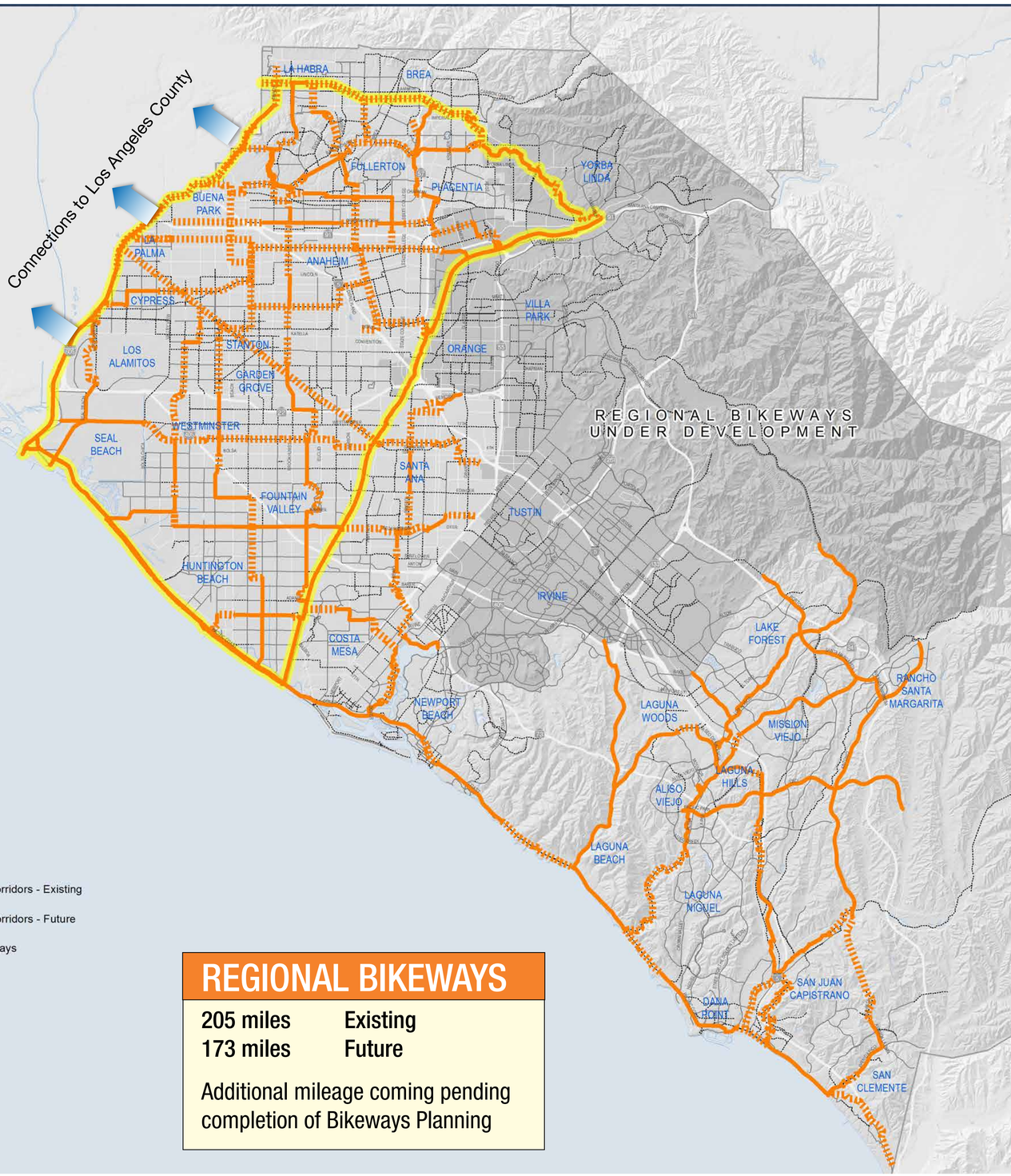
OC FOOTHILLS
BIKEWAYS COLLABORATIVE

INNOVATION in the OC

Active Transportation

Increasing Transportation Choices

Context Sensitive Design



Existing / Future

- OC Loop
- Regional Bikeway Corridors - Existing
- Regional Bikeway Corridors - Future
- Local Planned Bikeways
- Existing Bikeways

REGIONAL BIKEWAYS

205 miles Existing
173 miles Future

Additional mileage coming pending completion of Bikeways Planning

Source: OCTA

0 2.5 5

Diverse User Needs

Future Rail Adjacent Trail Opportunity

OC Loop Recreation