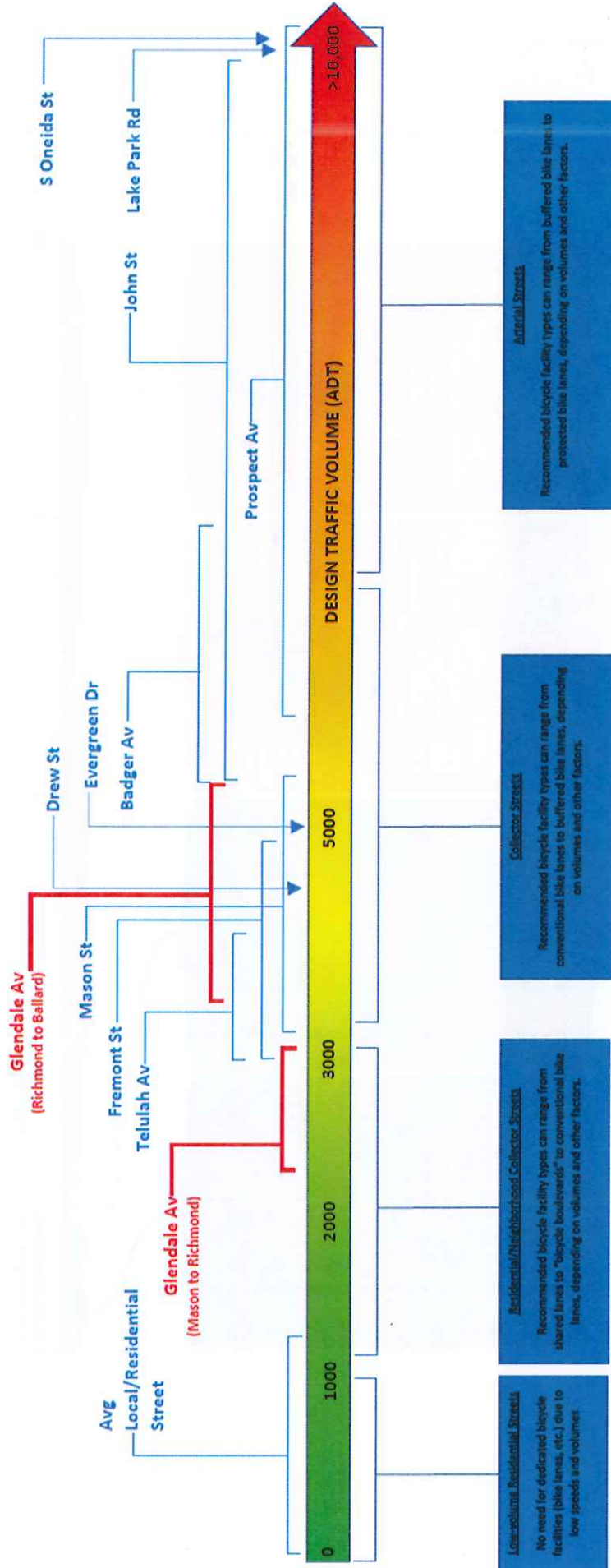
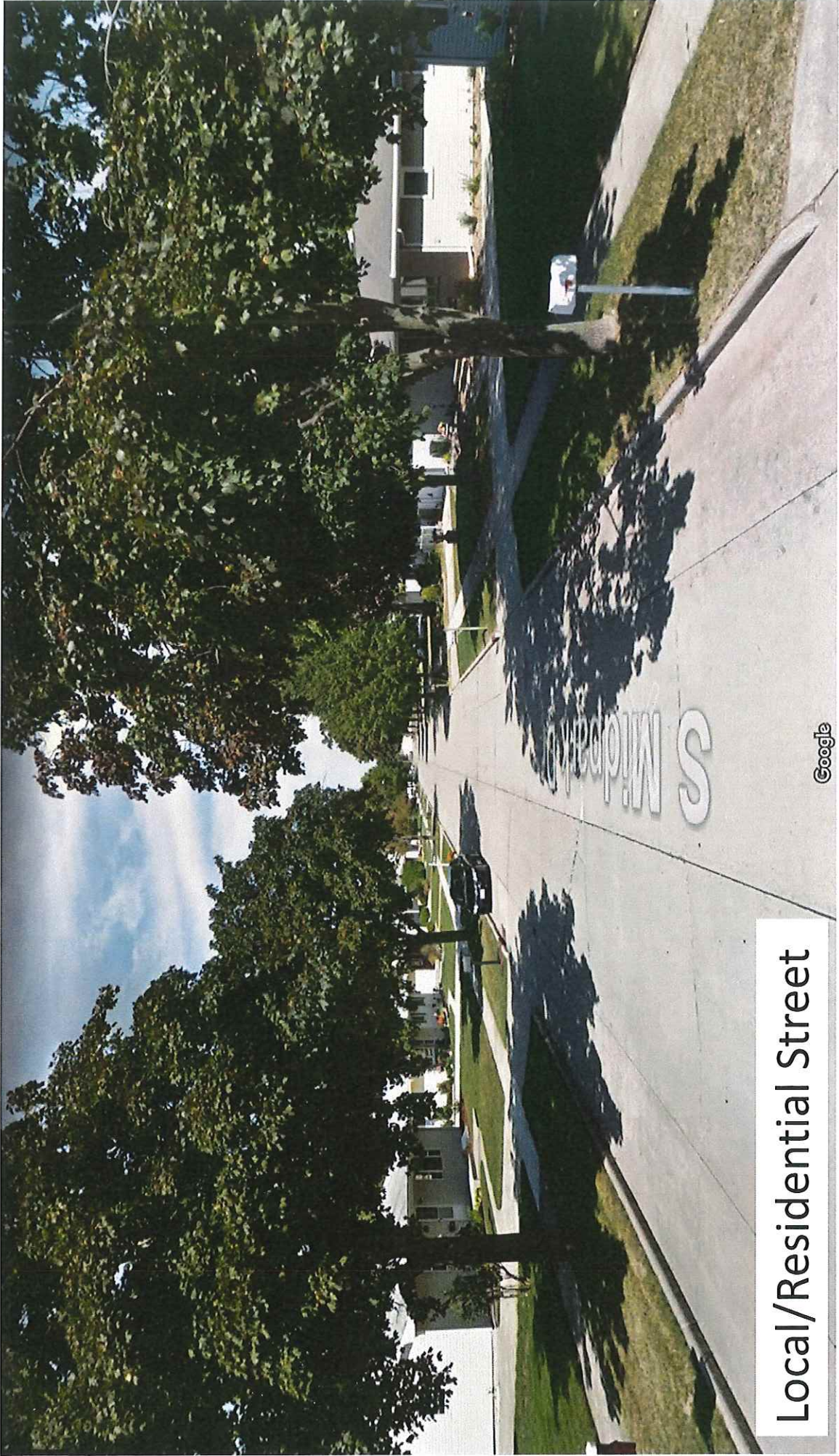


0 PERCENT OF BIKE RIDERS  
 SOURCE: JENNIFFER DILL, "FOUR TYPES OF ENJOYERS," AUGUST 11, 2015

# Recommended Bicycle Facility Types by Traffic Volume

25/30 mph Posted Limit



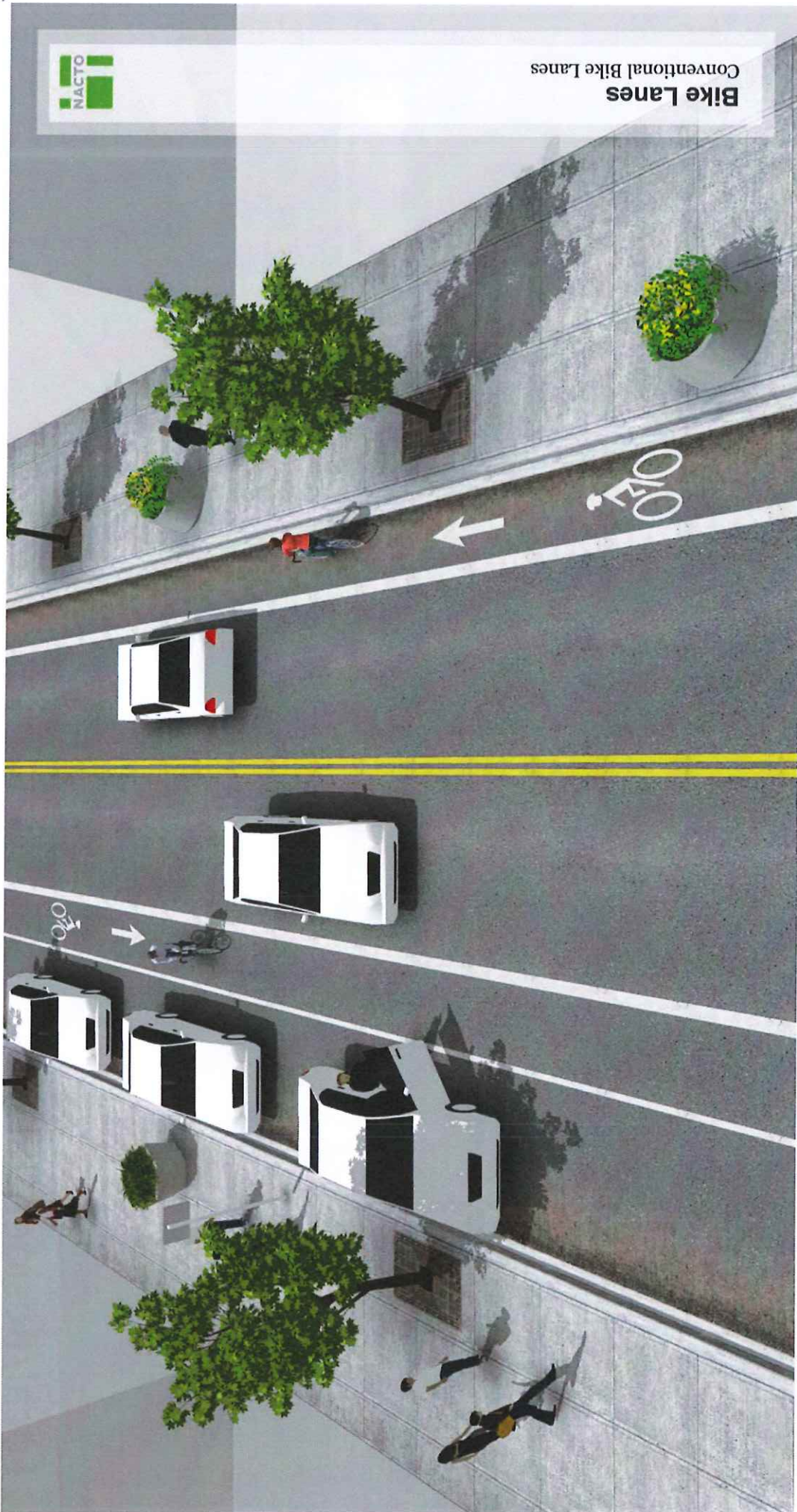


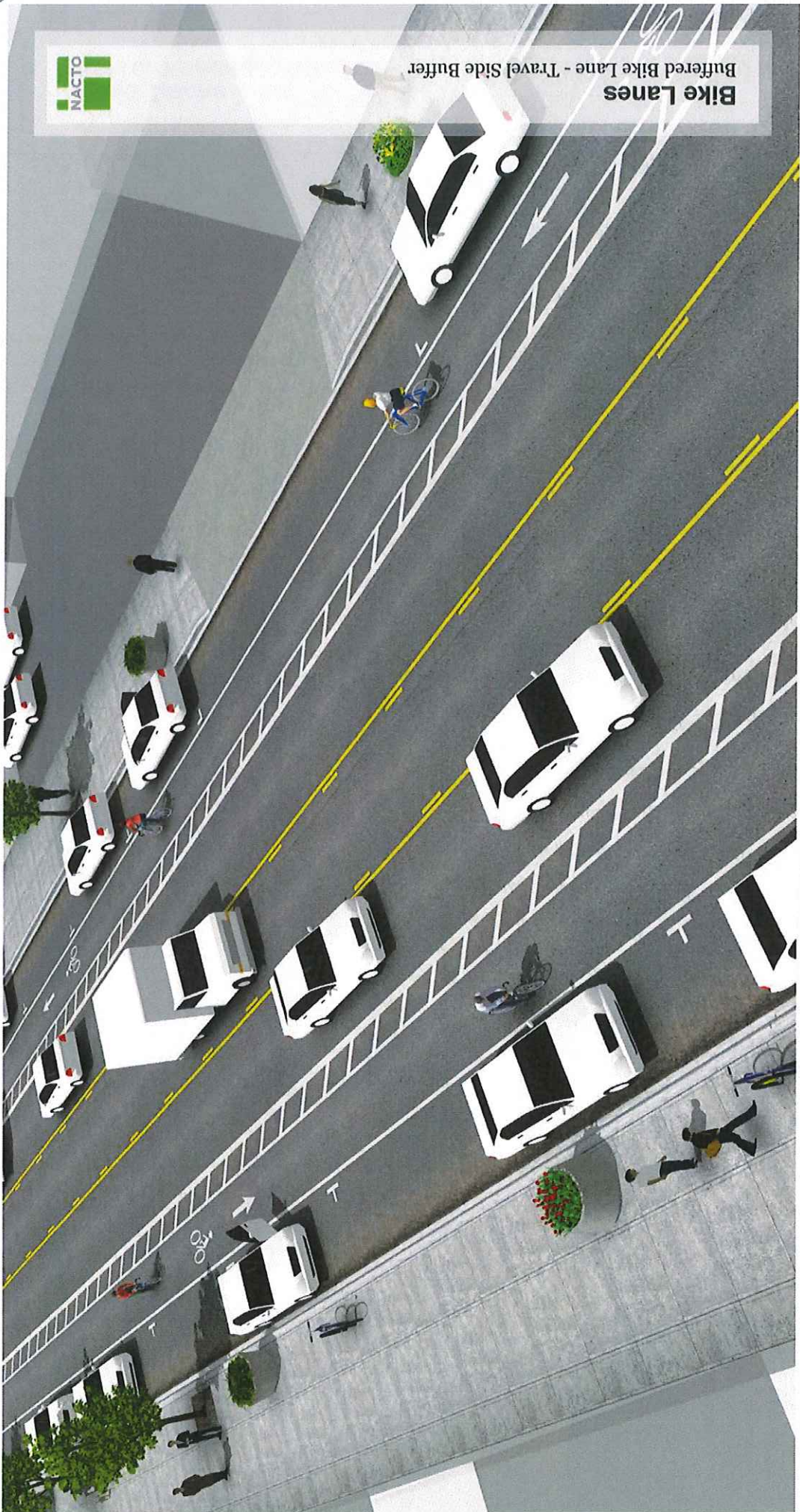
Google

Local/Residential Street

# Bike Lanes

## Conventional Bike Lanes





## Bike Lanes

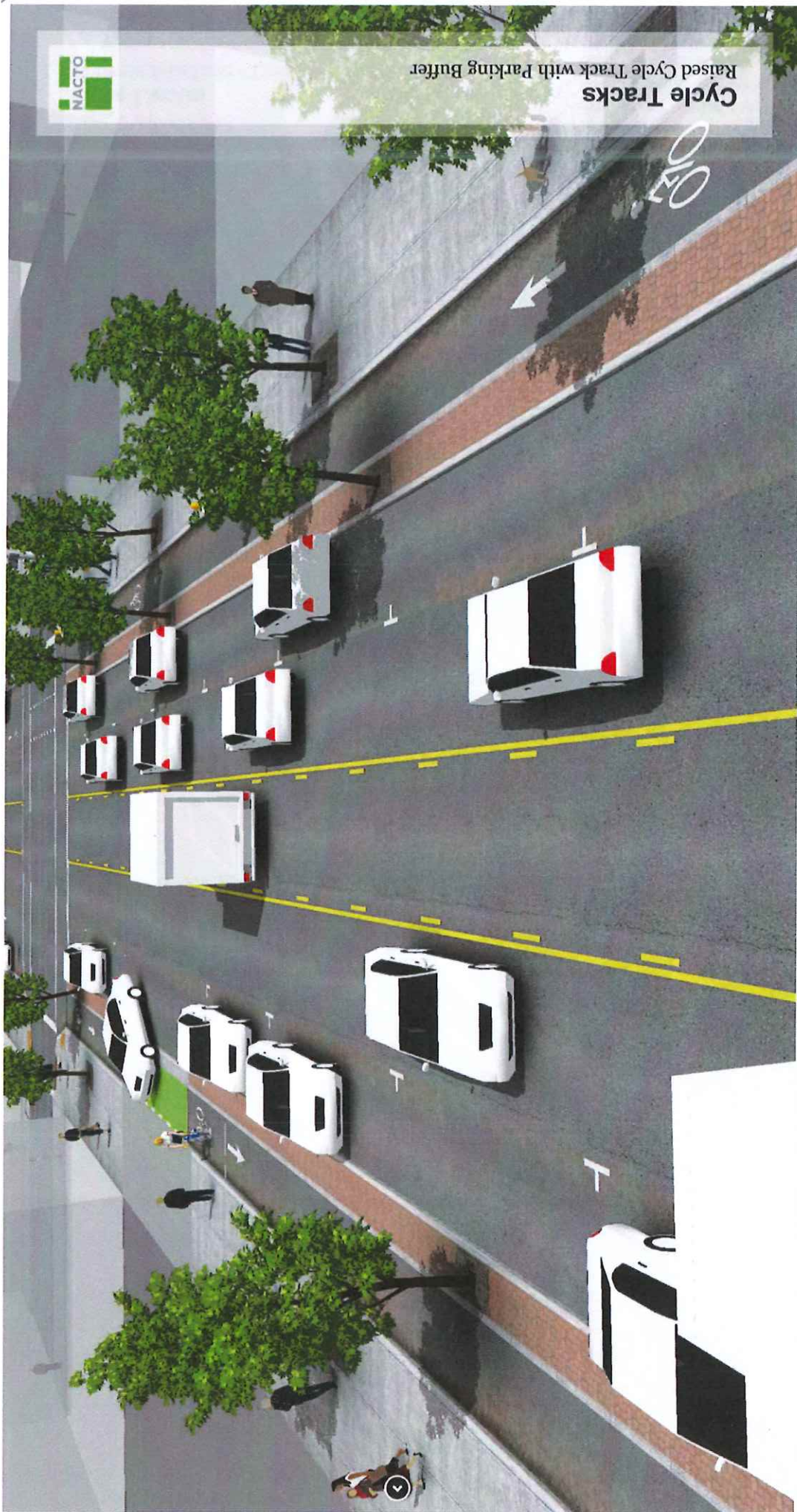
Buffered Bike Lane - Travel Side Buffer





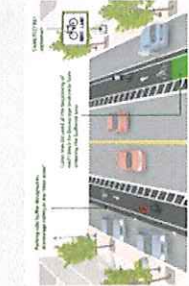
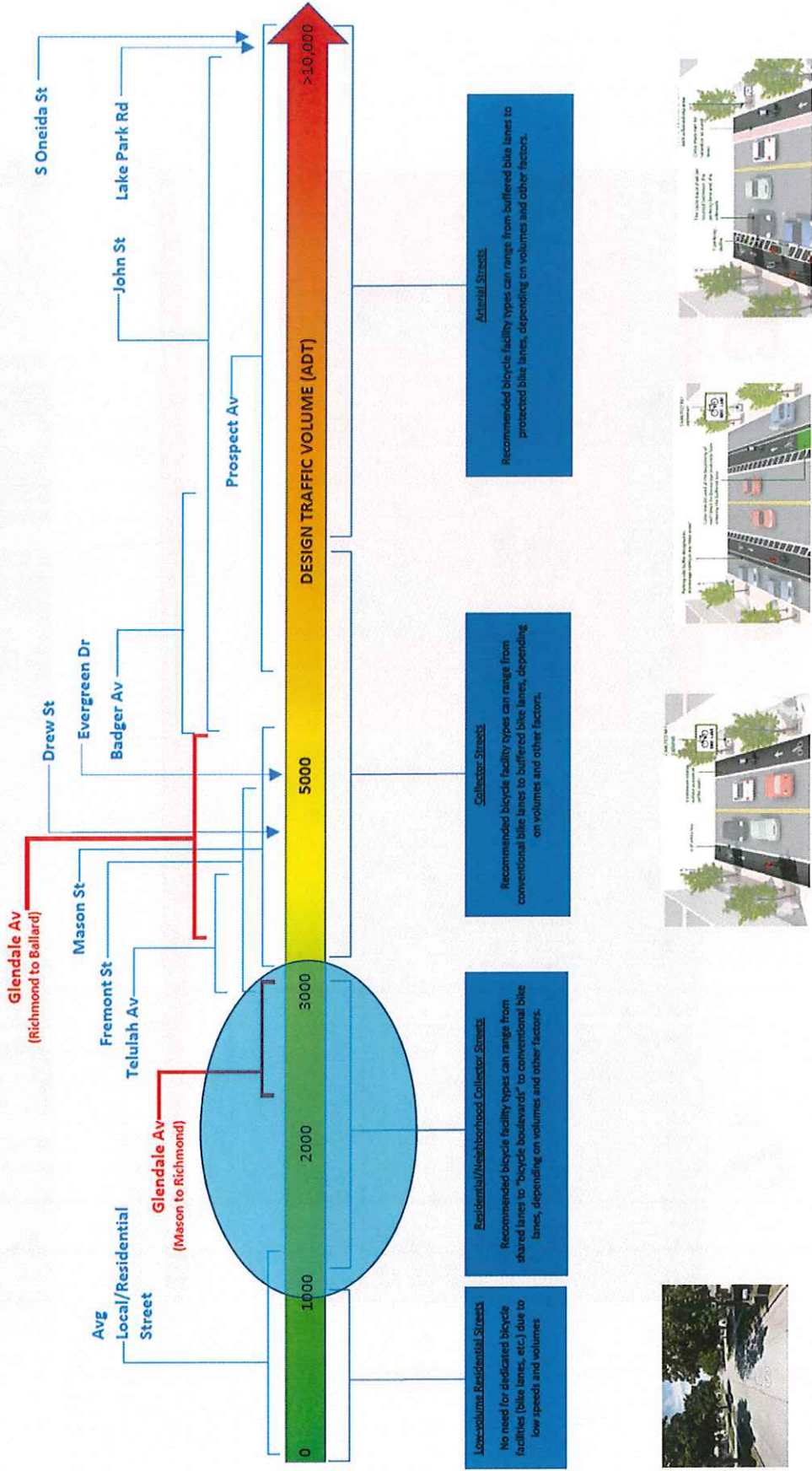
# Cycle Tracks

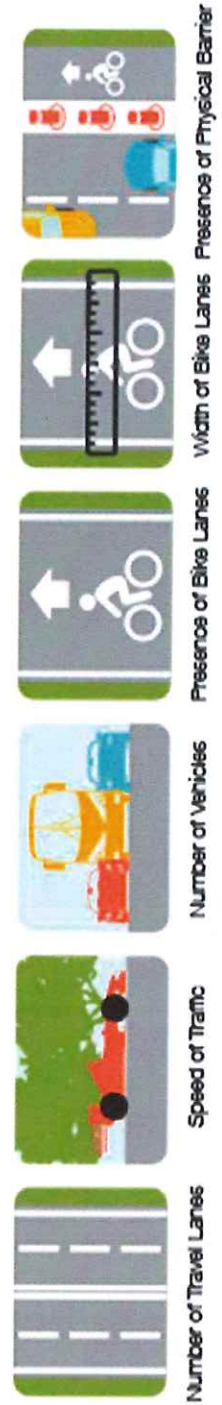
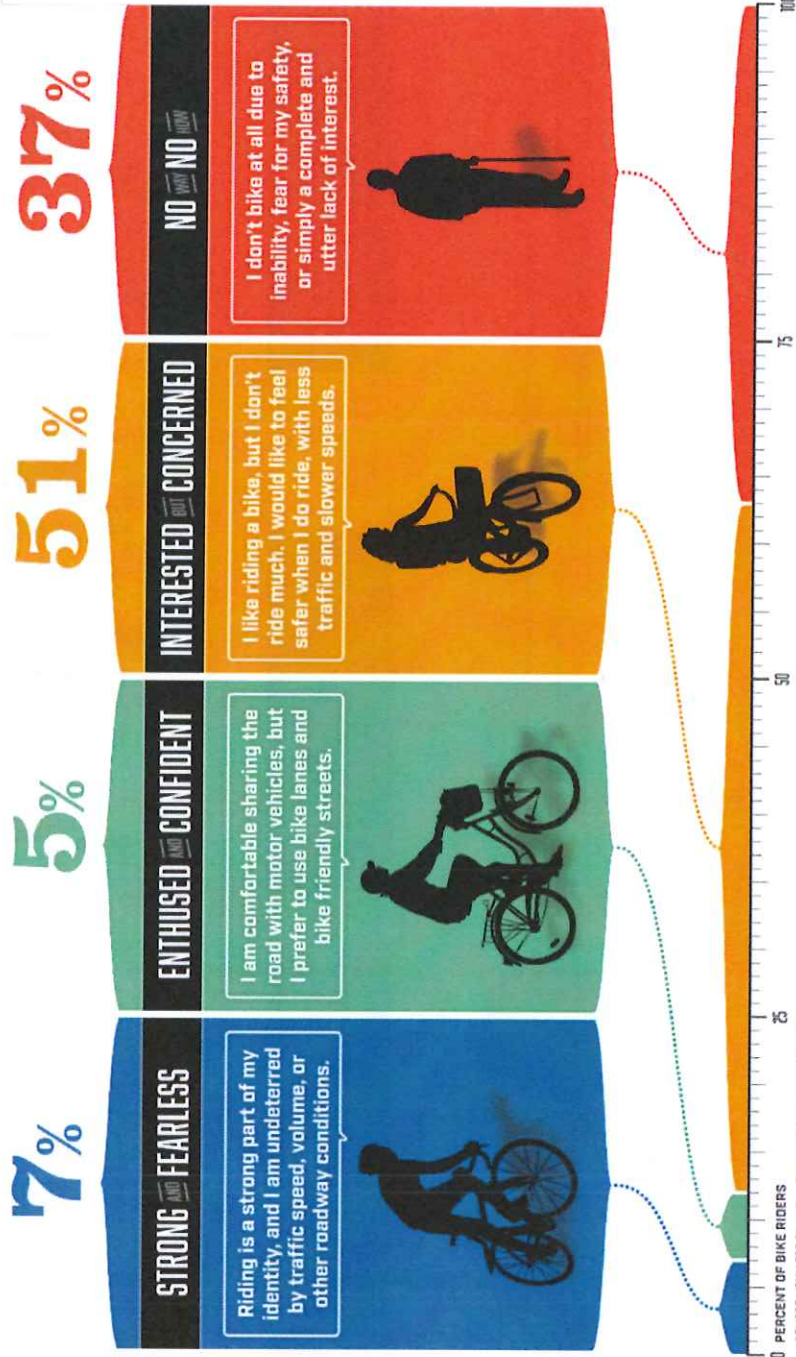
## Raised Cycle Track with Parking Buffer



# Recommended Bicycle Facility Types by Traffic Volume

25/30 mph Posted Limit

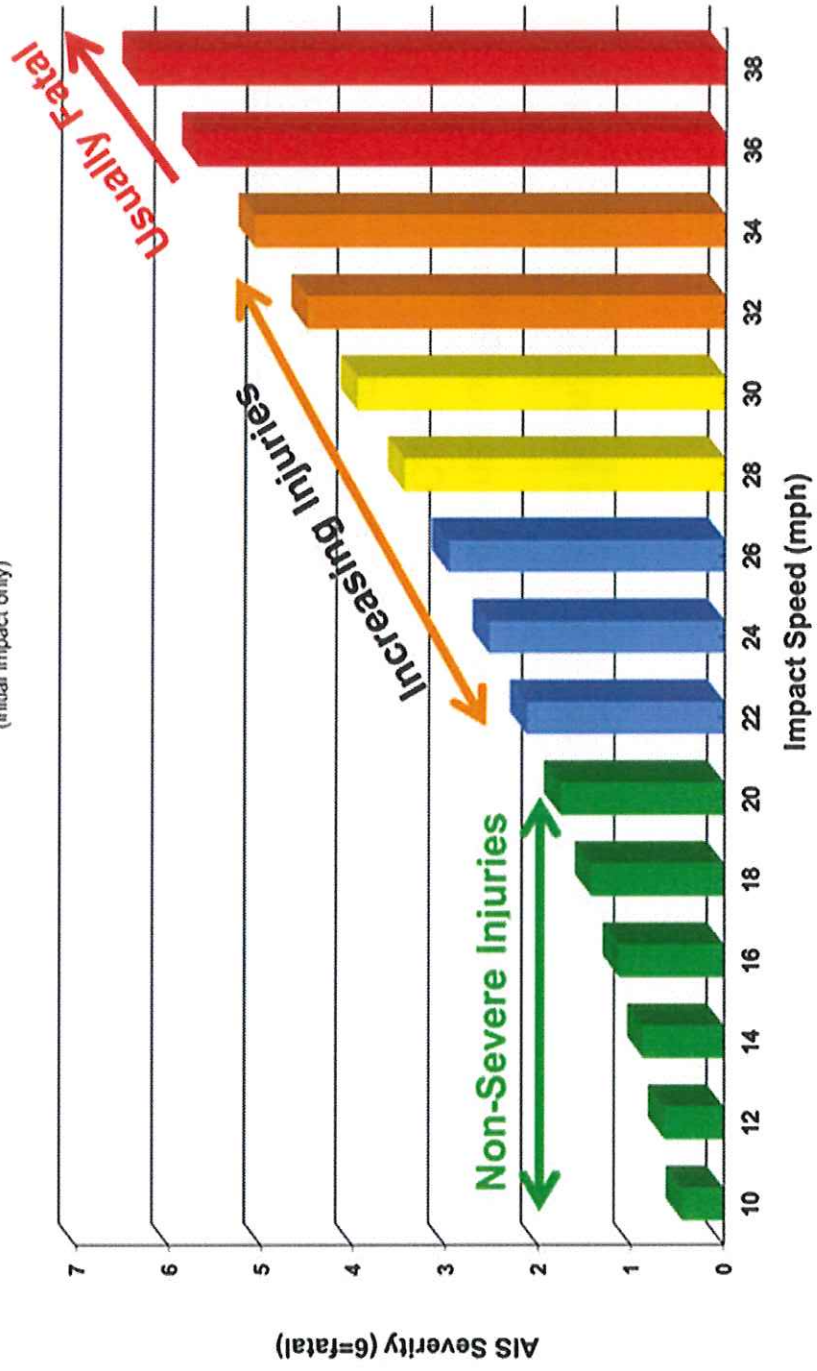






# Vehicle Impact Speed vs. Pedestrian Injury

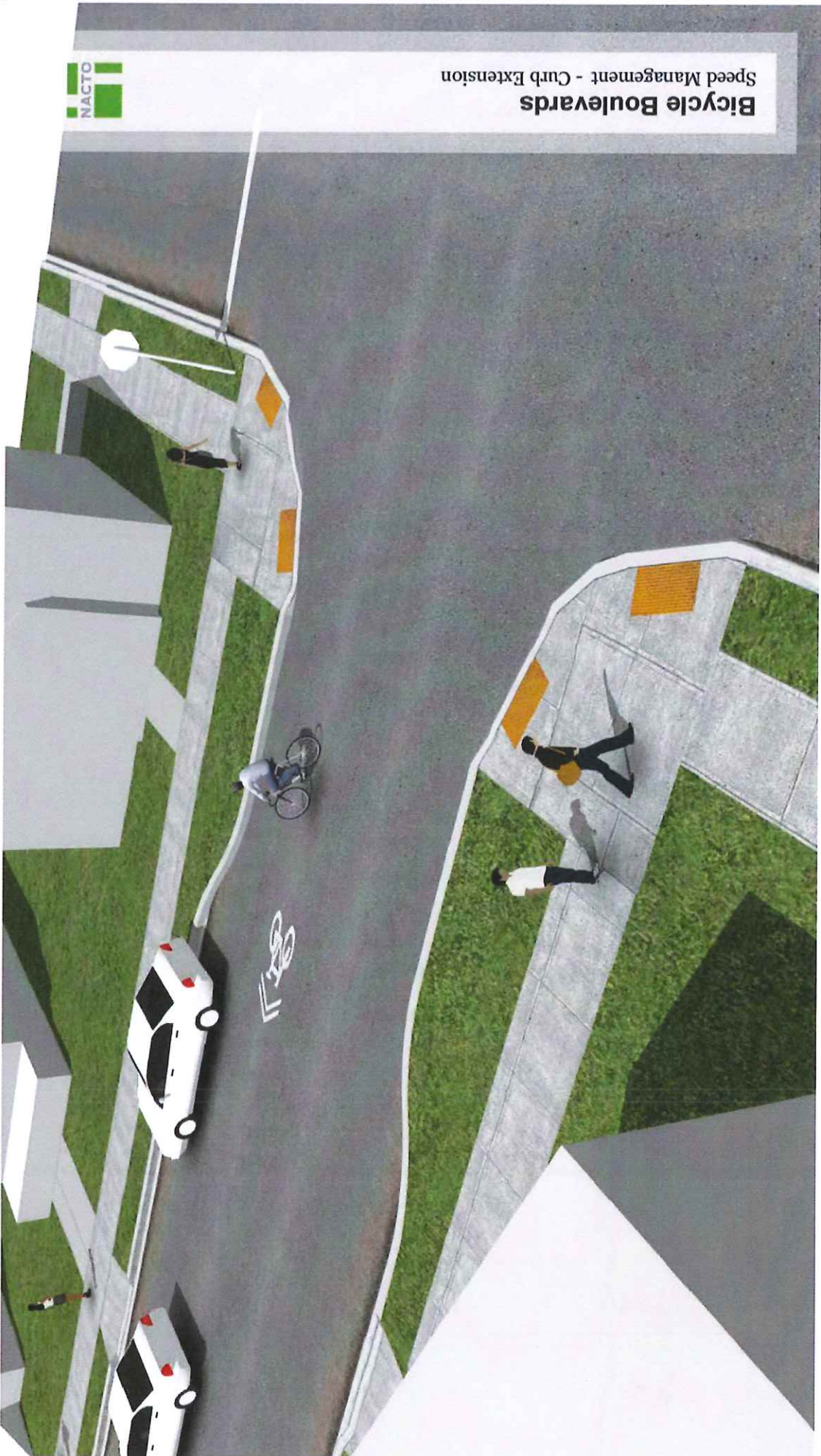
(initial impact only)



<b>Passive Traffic Control Devices</b>	<b>Active Traffic Management Techniques</b>
<ol style="list-style-type: none"><li>1. Stop Sign</li><li>2. Speed Limit Sign</li><li>3. School Sign</li><li>4. Yield Sign</li><li>5. Crosswalk</li></ol>	<ol style="list-style-type: none"><li>1. Pedestrian or Refuge Island</li><li>2. Traffic Circle</li><li>3. Speed Hump</li><li>4. Full or partial road closures (Semi-diverters/Diverter/Cul-de-sac)</li><li>5. Chicanes.</li></ol>

**Horizontal  
Deflection**  
(Drive around things)

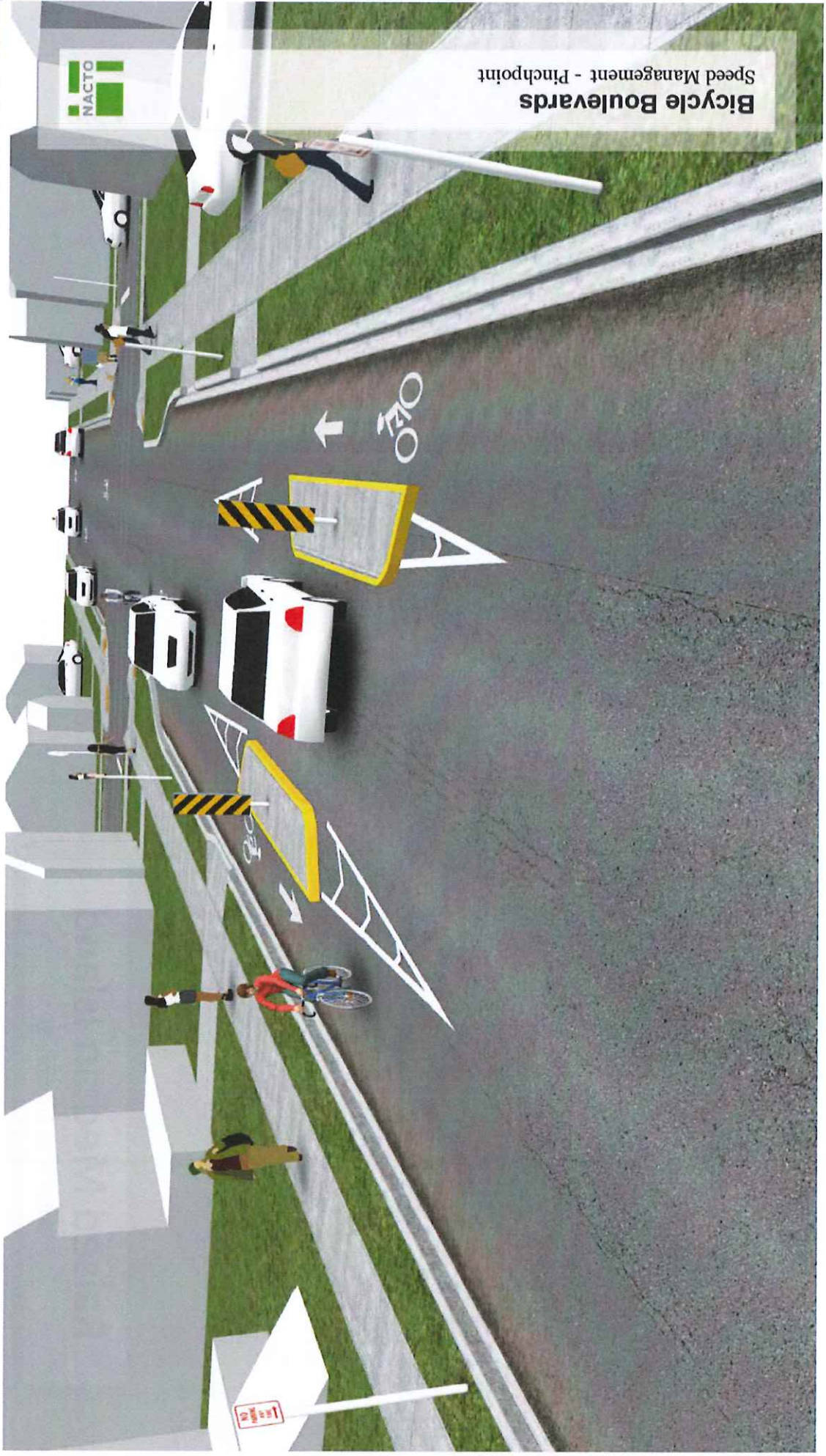
# Bicycle Boulevards Speed Management - Curb Extension

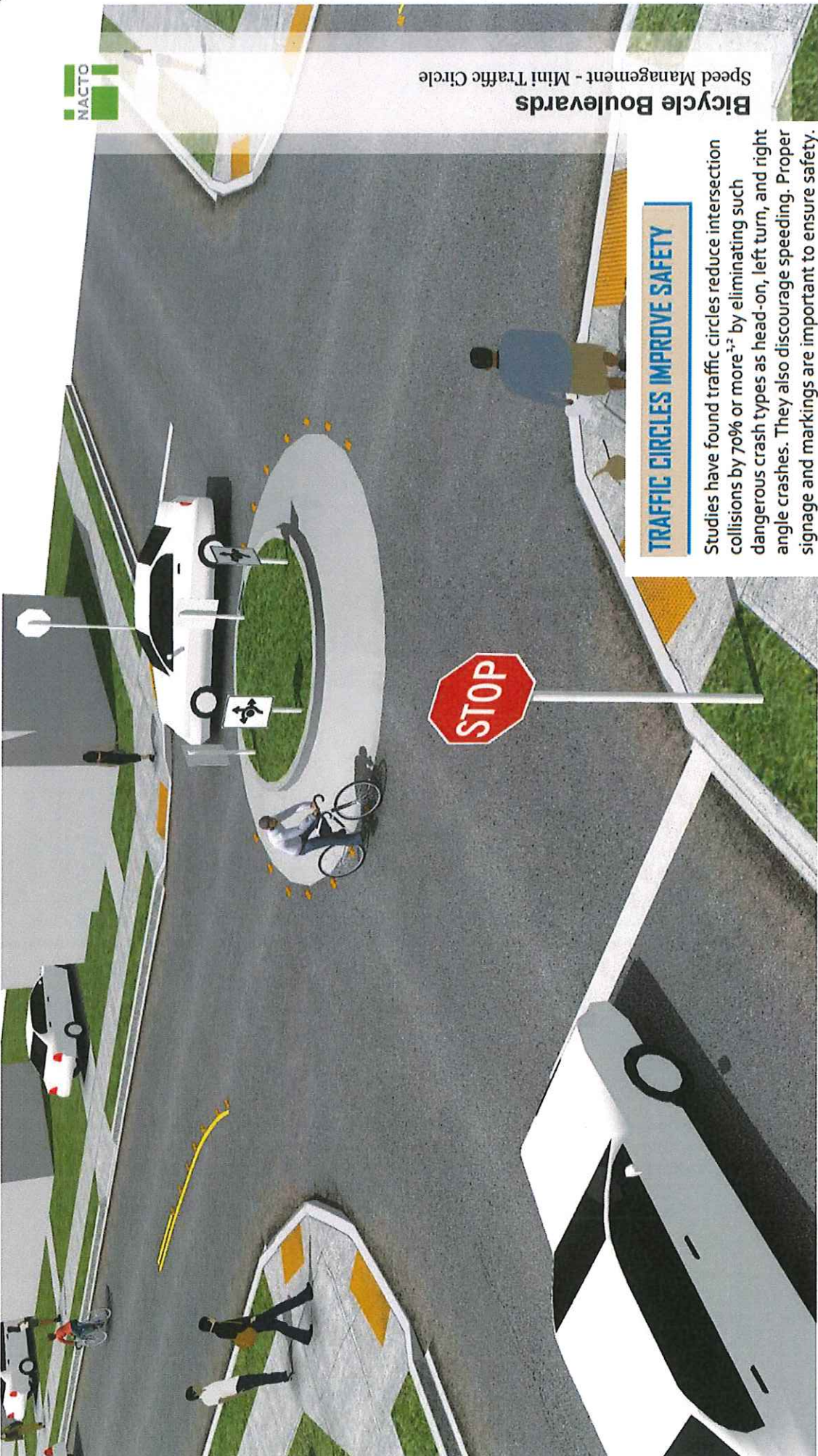




**Raised Median Island**  
John St at Emmers St

# Bicycle Boulevards Speed Management - Pinchpoint





**TRAFFIC CIRCLES IMPROVE SAFETY**

Studies have found traffic circles reduce intersection collisions by 70% or more<sup>32</sup> by eliminating such dangerous crash types as head-on, left turn, and right angle crashes. They also discourage speeding. Proper signage and markings are important to ensure safety.

**Bicycle Boulevards**

Speed Management - Mini Traffic Circle

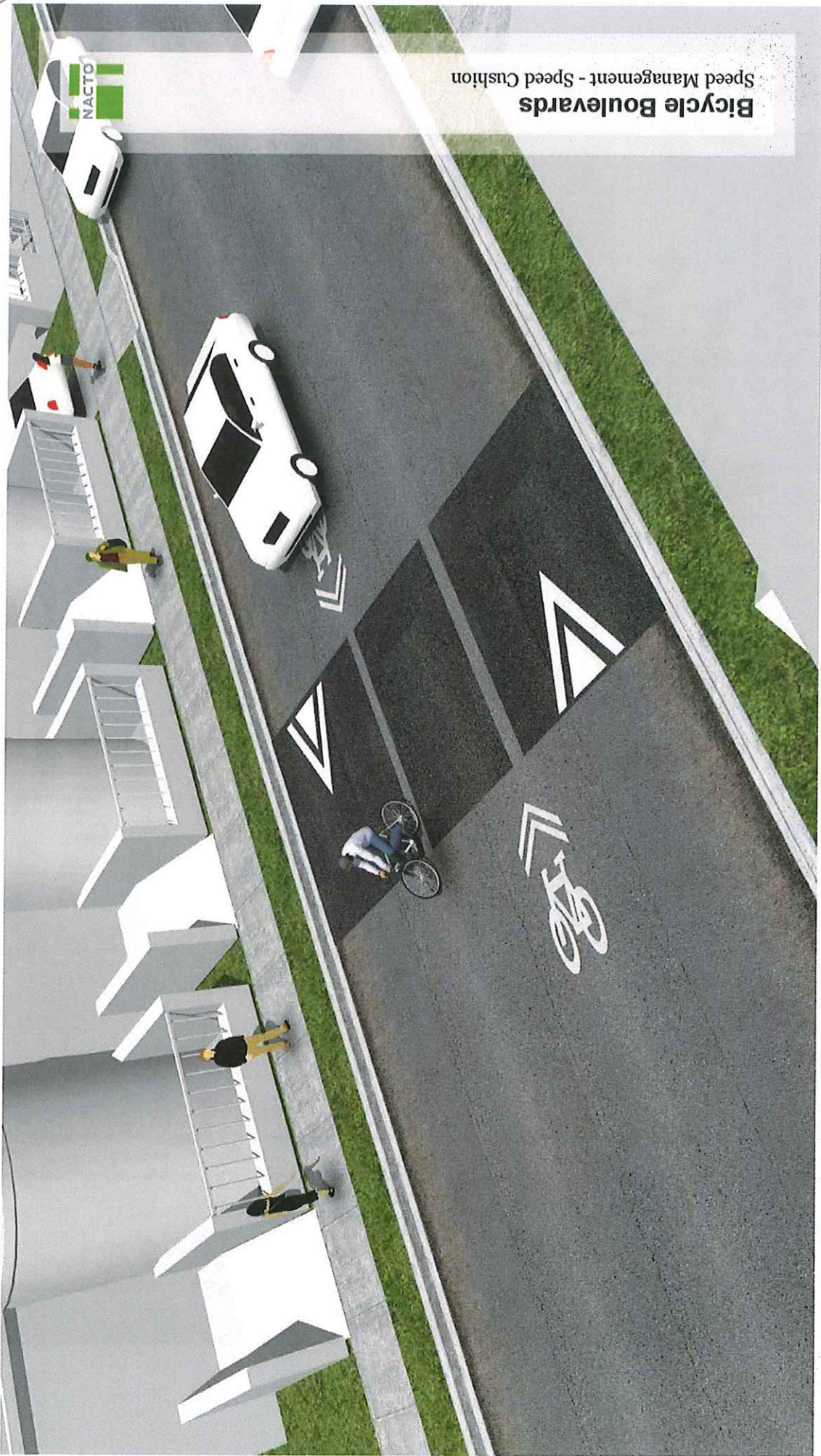


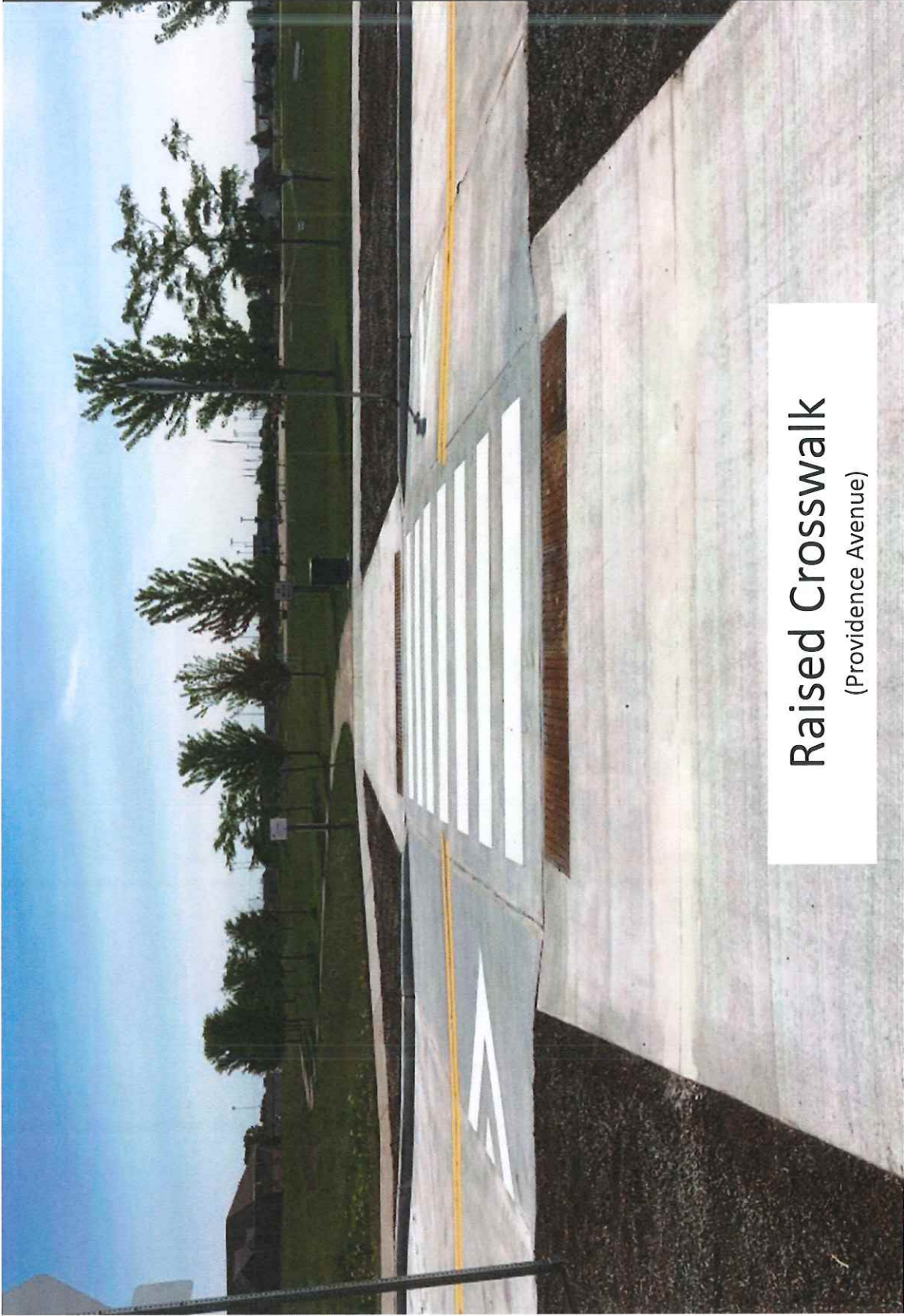
# Vertical Deflection

(Drive over things)

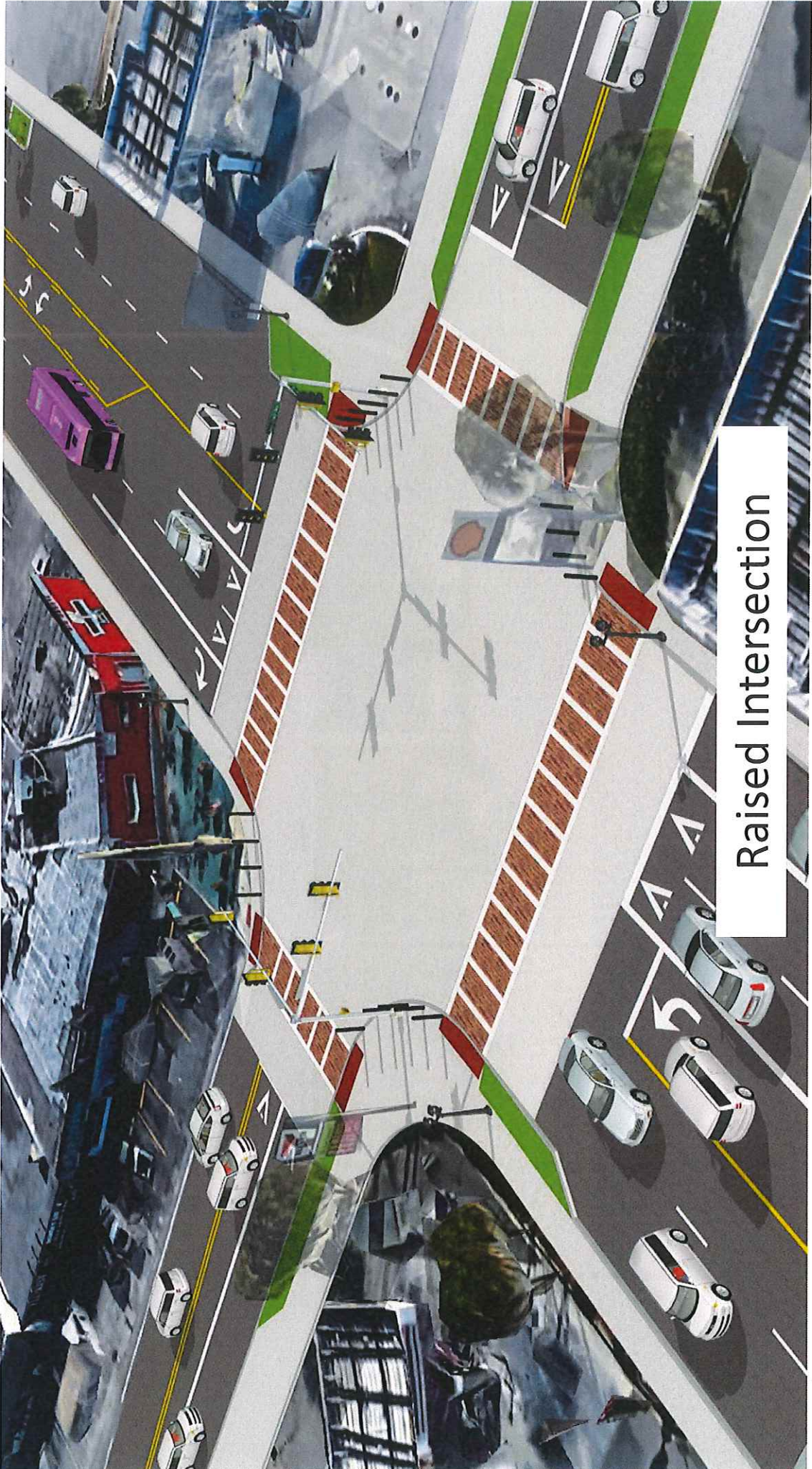


# Bicycle Boulevards Speed Management - Speed Cushion

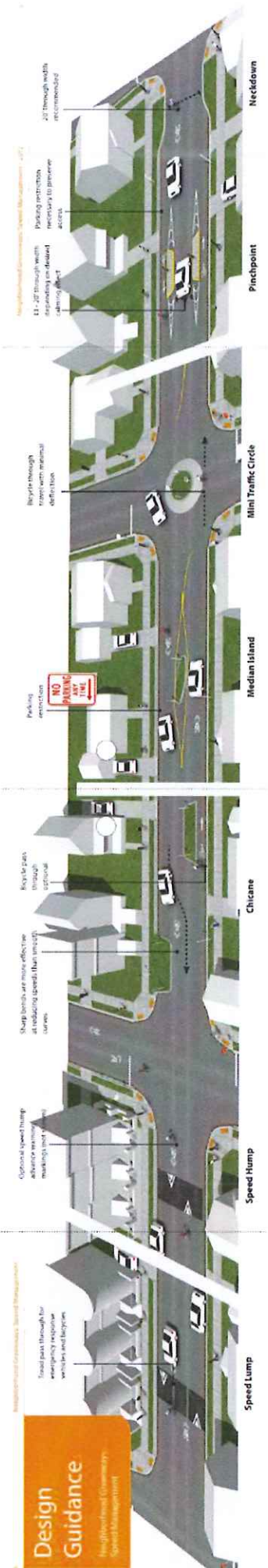




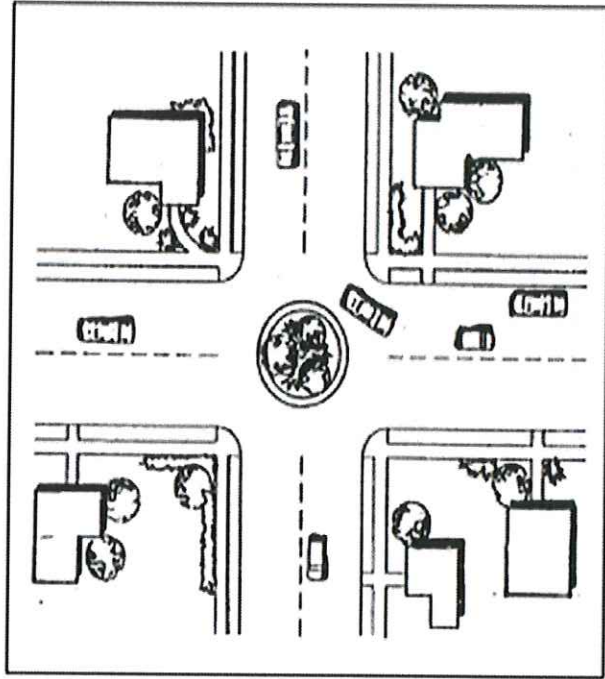
**Raised Crosswalk**  
(Providence Avenue)



Raised Intersection

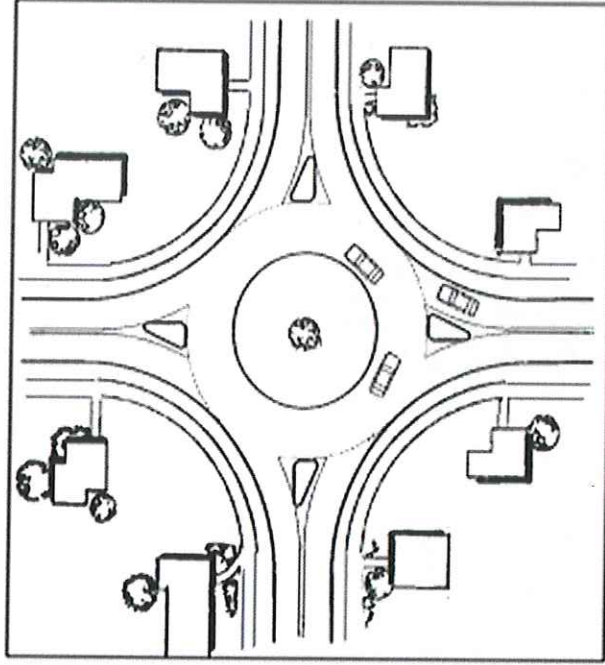


**Traffic Circle**



Source: Institute of Transportation Engineers'  
Traffic Calming – State of the Practice

**Roundabout**



Source: Institute of Transportation Engineers'  
Traffic Calming – State of the Practice



Traffic Circle



Traffic Circle

Traffic Circle



Traffic Circle  
Demonstration Project