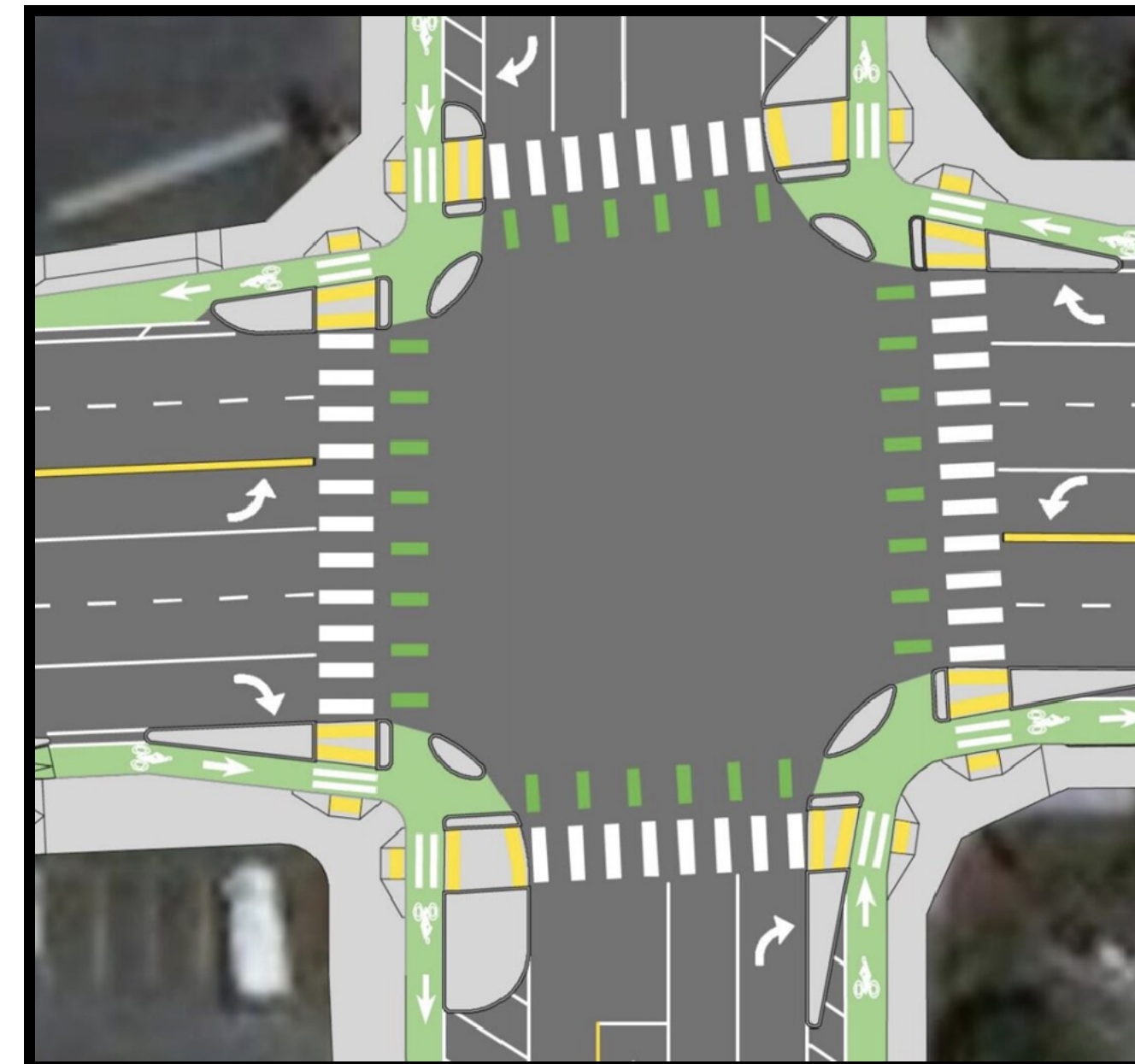


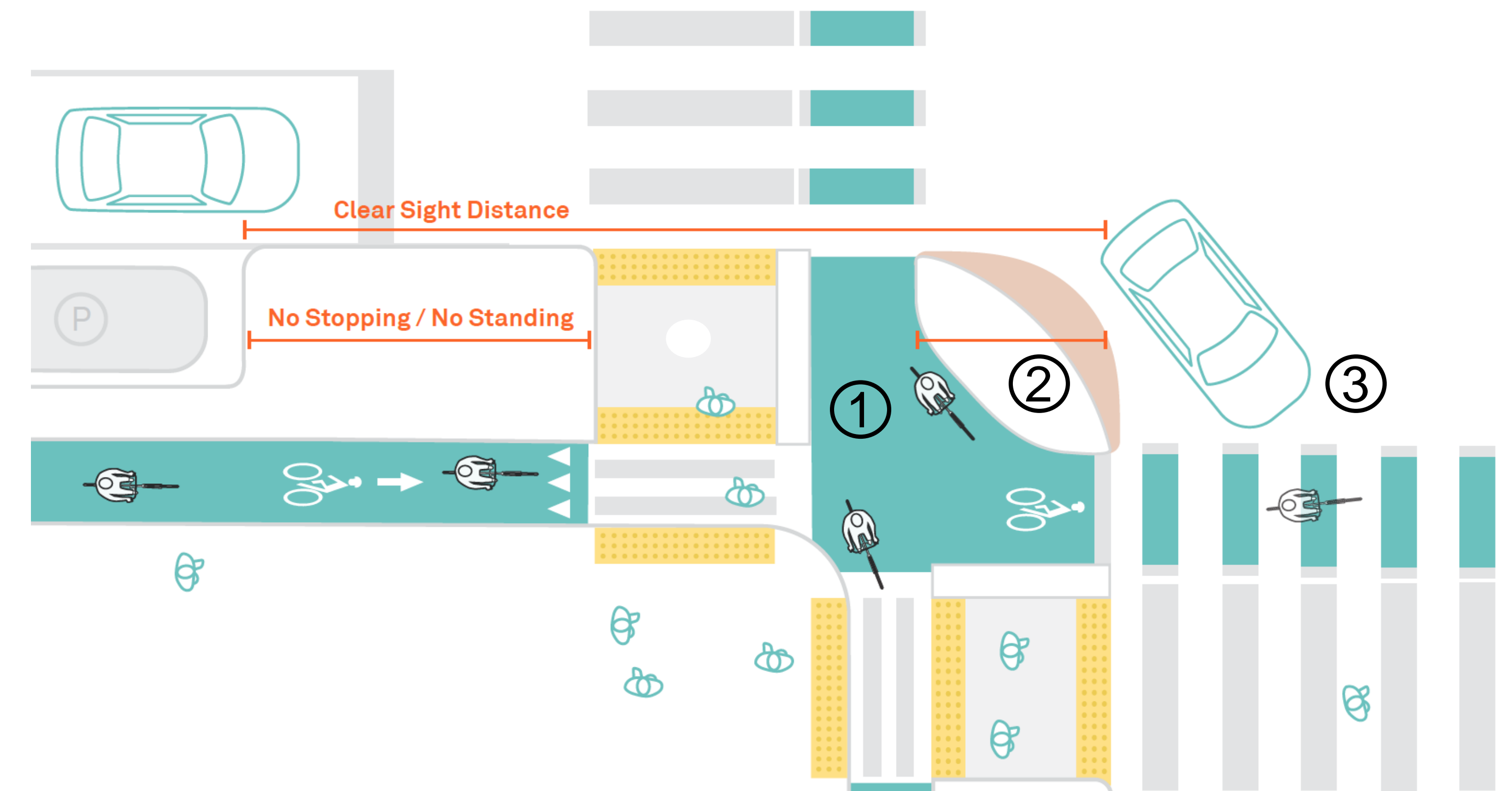
Protected intersections are a relatively new treatment that offers significant safety for bicyclists at intersections by incorporating protected bikeways, sight distance improvements, barrier islands, and other treatments to improve visibility, separation, and reaction times. When implemented correctly, protected intersections can:

- Reduce speeds of turning vehicles
- Reduce exposure of bicyclists to potential conflicts
- Reduce the frequency and severity of collisions



Protected Intersection Overview

Key features of protected intersections include:



- Bicyclists stop forward of motorists while waiting for a green phase (see #1 in the graphic above). This improves visibility of bicyclists and increases motorist awareness of bicyclists waiting to cross the intersection.
- Corner islands (see #2 in the graphic above) provide physical protection for bicyclists and pedestrians waiting to cross, reduce crossing distances for people bicycling and walking, and reduce speeds for turning vehicles.
- Set back crossings allow space for a turning vehicle to stop and wait for a bicyclist or pedestrian to clear the crossing without blocking through traffic (see #3 in the graphic above).



Protected Intersection Example in Davis, CA

What is a Protected Intersection?