

## Michael Wallwork, Roundabout Expert and Street Designer

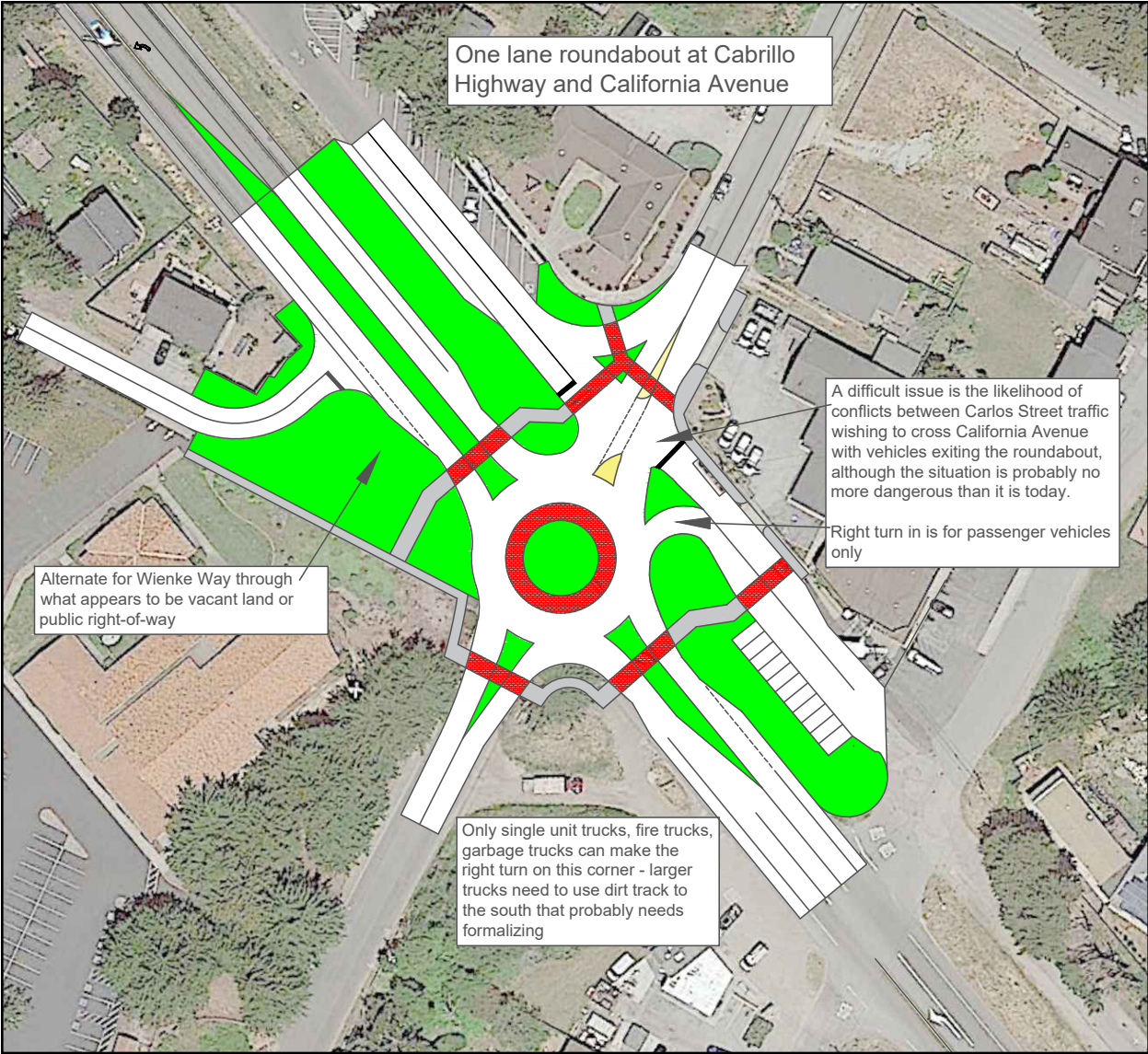
### Memorandum

To: Dave Olson, MRC  
From: Michael J. Wallwork. Roundabout Expert and Street Designer  
Date: 11/23/18  
Re: Roundabout ideas for Cabrillo Highway and California Avenue, Moss Beach

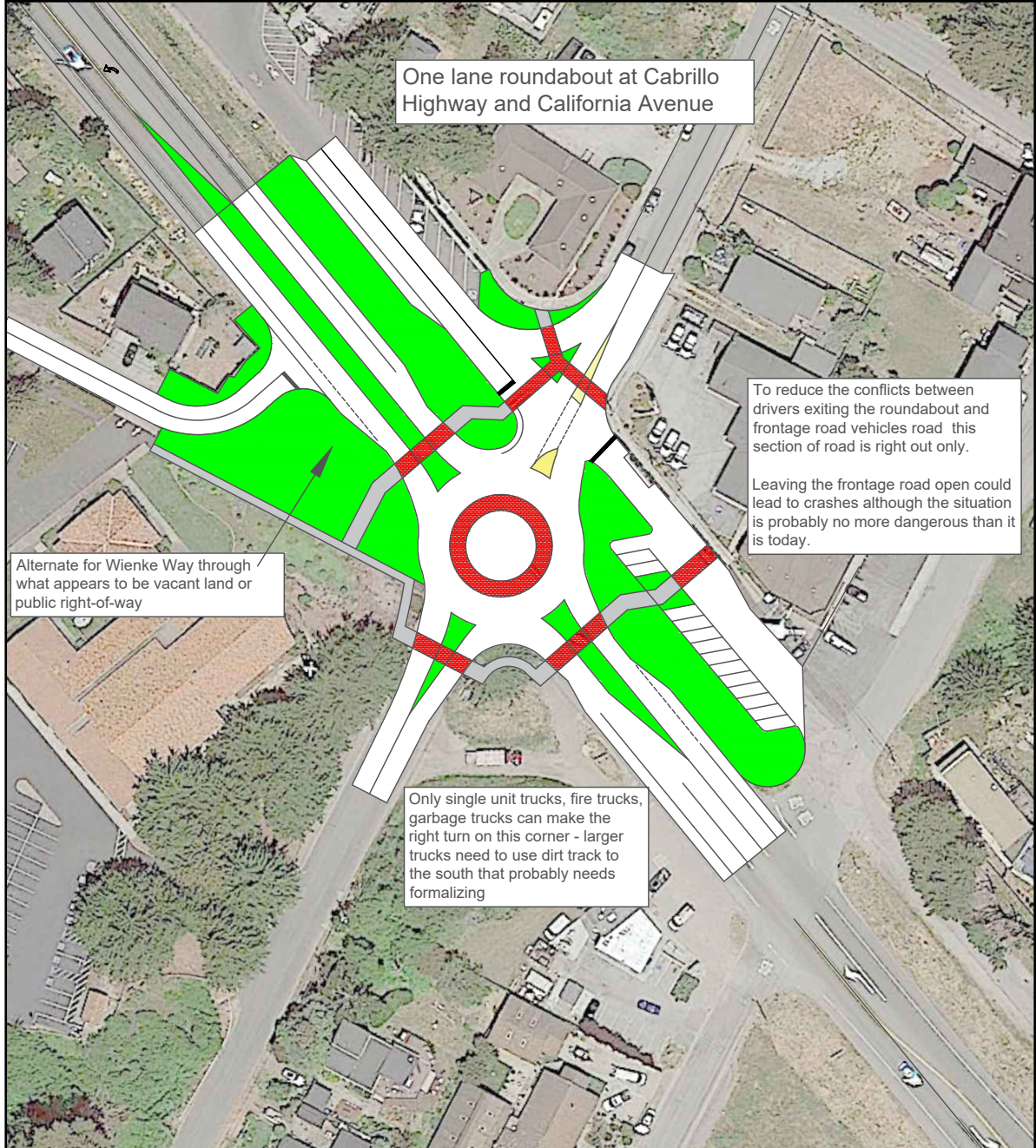
As requested I have prepared concept plans for a one-lane and a two-lane roundabout at the above intersection to provide an idea as the approximate size and shape of possible roundabouts at this intersection. Copies of the layouts with fastest paths are included in the following pages.

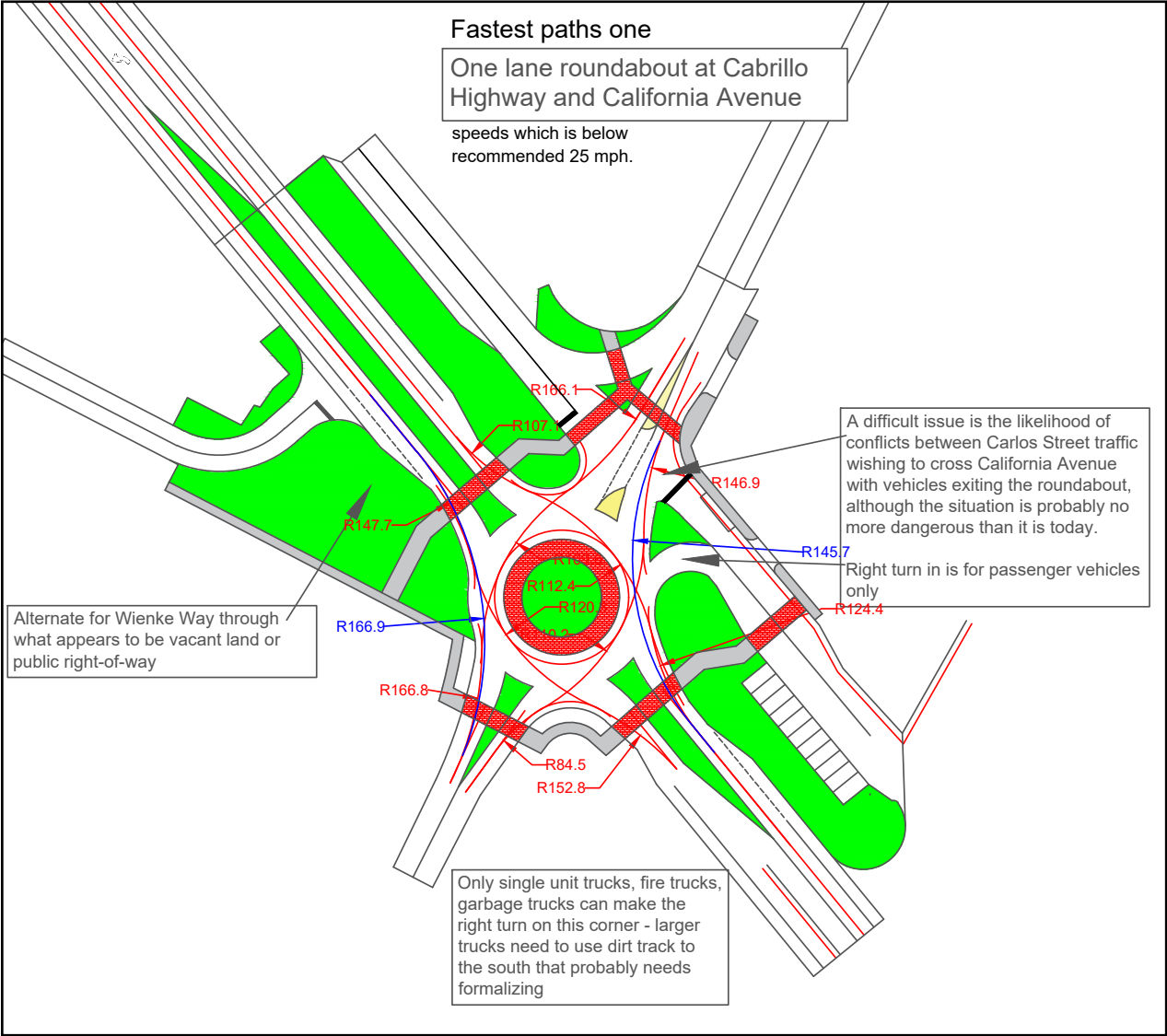
The design vehicle was a WB-50 for through and left turns into and out of Cabrillo Highway and both sections of California Avenue. Because of the skew of the intersection the acute two right turns are limited to SU vehicles. Single Unit vehicles such as garbage truck, fire trucks are also unable to make the right turns into and from Carlos Street and the roundabout.

The most difficult part of the design was trying to keep Carlos Avenue as a two-way street on both sides. A number of options were tried with both roundabouts with the following layouts seeming to produce a reasonable balance between safety and accessibility. Neither is perfect as is always the case with frontage roads close to highways.



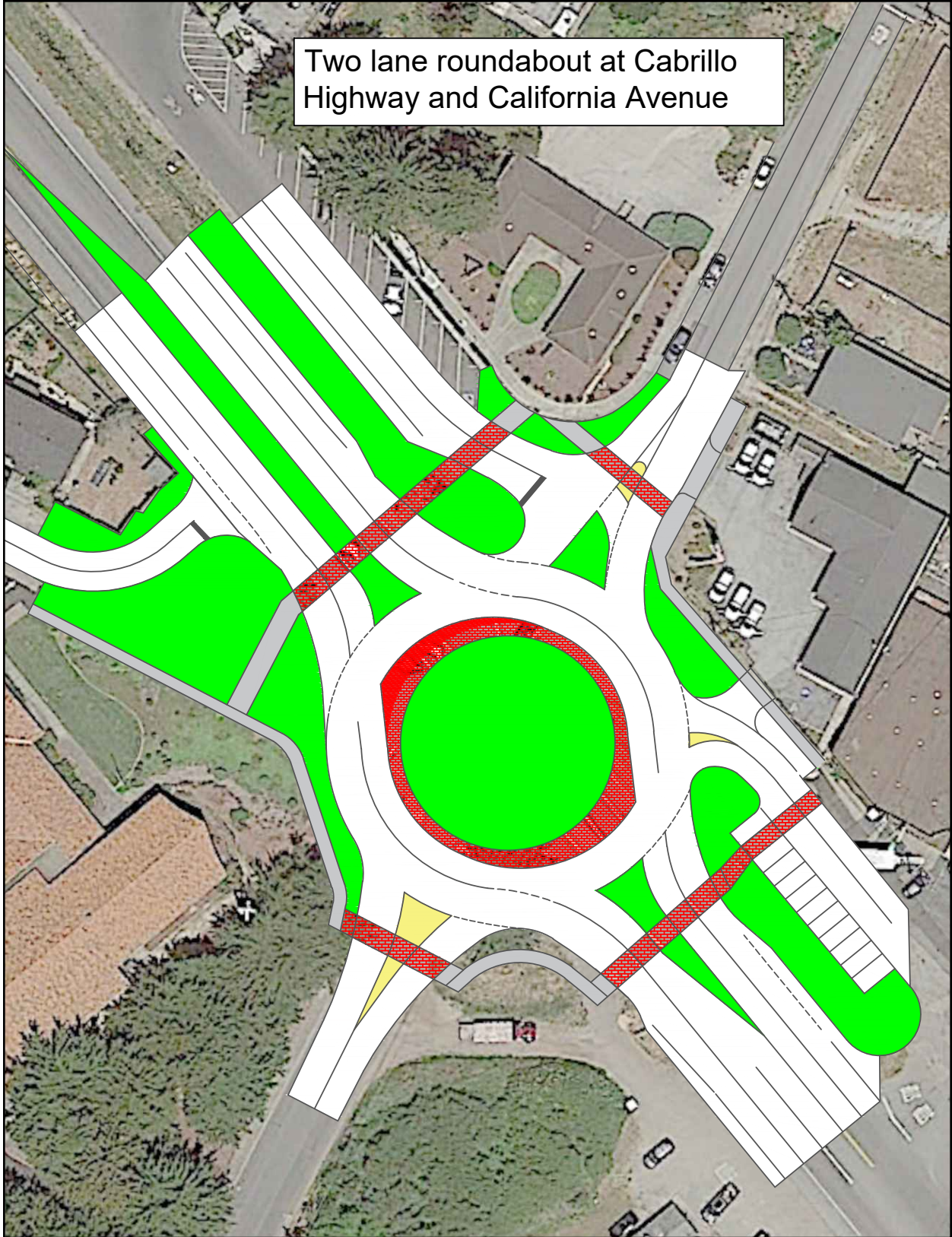


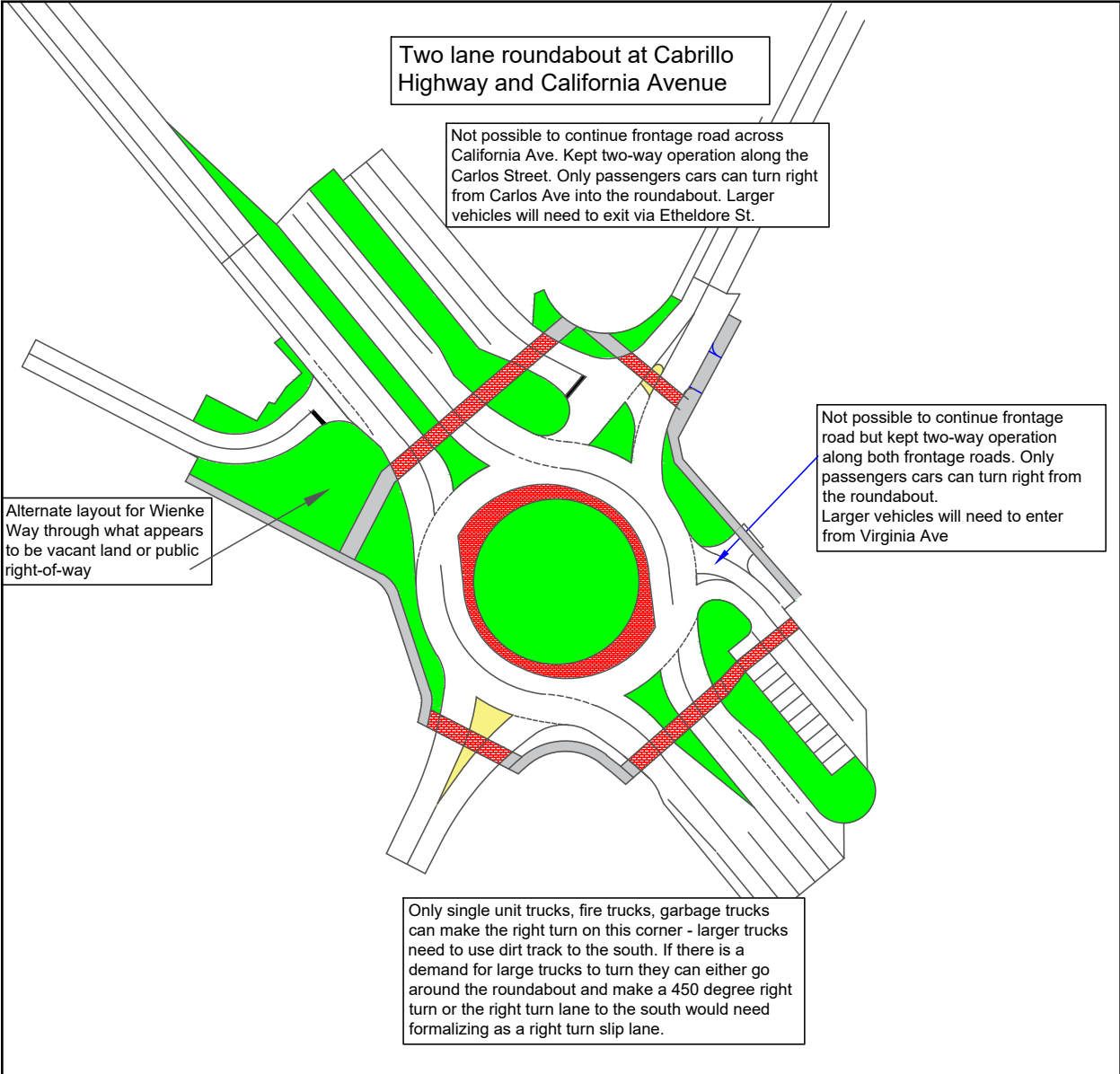






Two lane roundabout at Cabrillo Highway and California Avenue





Fastest paths Two-lane Roundabout  
Fastest paths through a roundabout are controlled by the smallest radius in this case, the radii within the roundabout where the design speeds are approximately 23 mph or less.

