

Agenda for Today



The Roundabout Choice

Advantages over other types
of Intersection Control



Our Understanding of the Issues

Project Understanding and Process



Project Approach

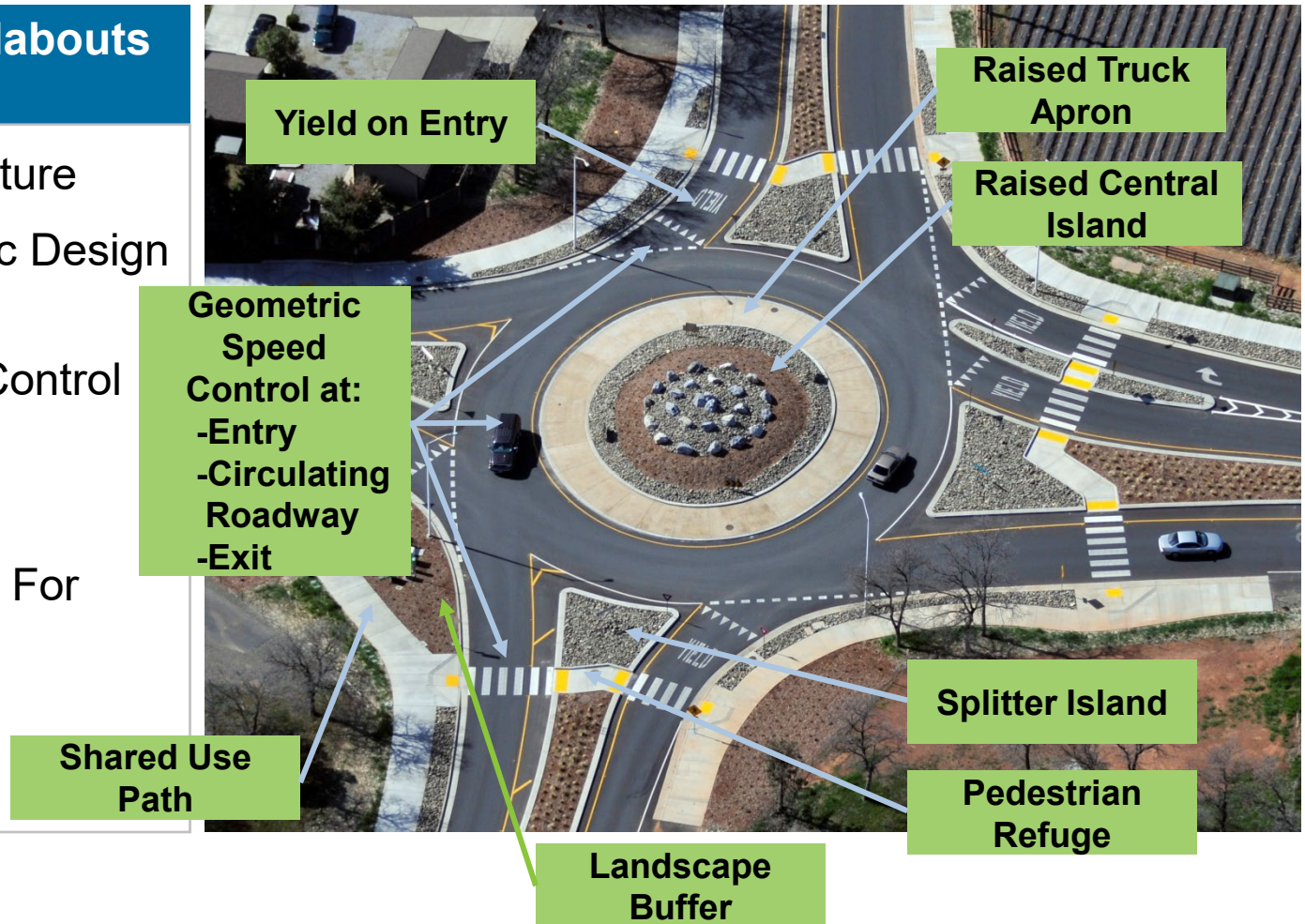
Project Construction
Considerations and
Schedule



What Modern Roundabouts are....

Modern Roundabouts Are:

- Circular In Nature
- Utilize Specific Design Criteria
- Designed to Control Speed
- Multi-Modal
- More Efficient For Traffic Flow



What Modern Roundabouts accommodate....

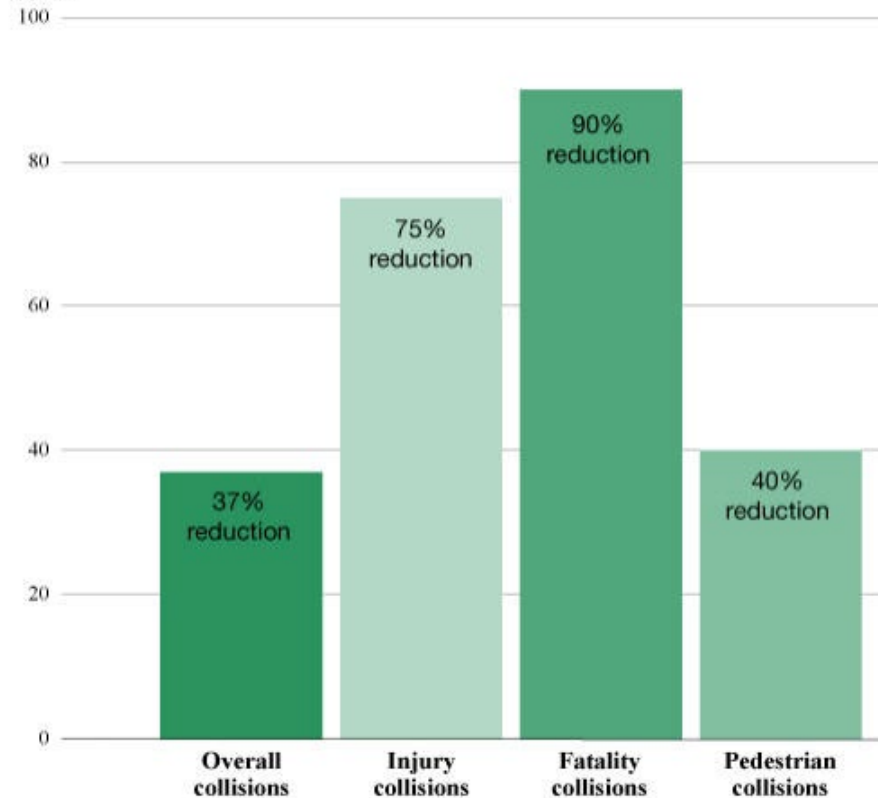


How Modern Roundabouts Improve Safety....

Reduce Serious Collisions

Reduction in collisions

percent



Source: Federal Highway Administration and Insurance Institute for Highway Safety (FHWA and IIHS)

Project History:

- 2018 CVR Corridor Study
- 2018 RFP for Roundabout Design
- Three CVRAC Virtual Mtgs
- March 2022 Environmental Approval
- June 2022 Virtual Meeting
- October 2024 Town Hall Meeting

Planned Improvement:

- Roundabout

What's next:

- Project Approval and Bidding
- Construction takes about 18-20 months depending on weather



Roundabout Final Design

Location, Location, Location

- Minimize right of way impacts
- Reduce Environmental Impacts
- Optimize Stage Construction



Roundabout Final Design



Roundabout Final Design



Roundabout Final Design



Issues of Concern

- Disruption During Construction
- Special Events
- Downhill Grade to Intersection
- Emergency Evacuations



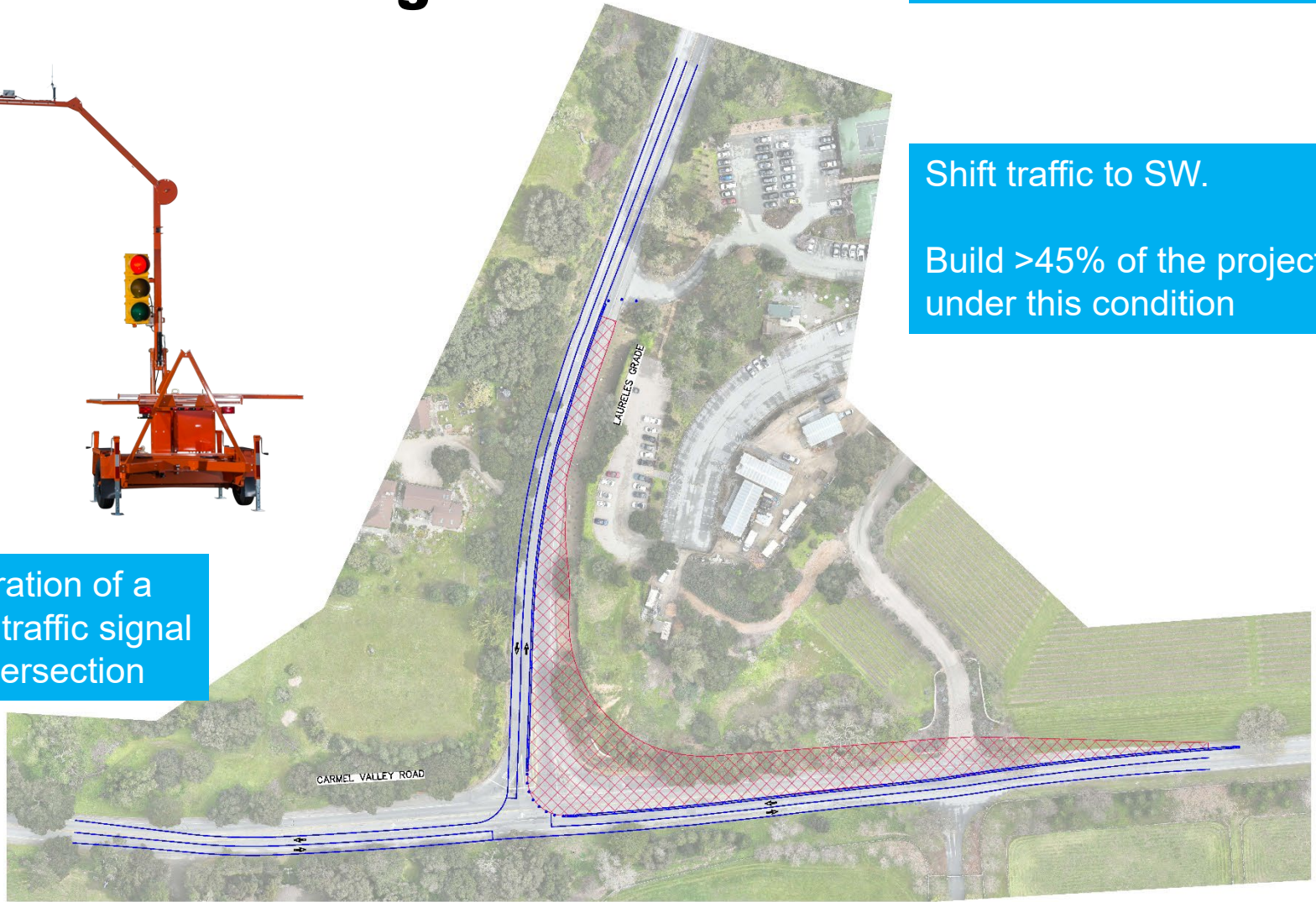
Construction Stage 1

Estimated Working Days
180 Days

Shift traffic to SW.
Build >45% of the project
under this condition



Consideration of a portable traffic signal at the intersection



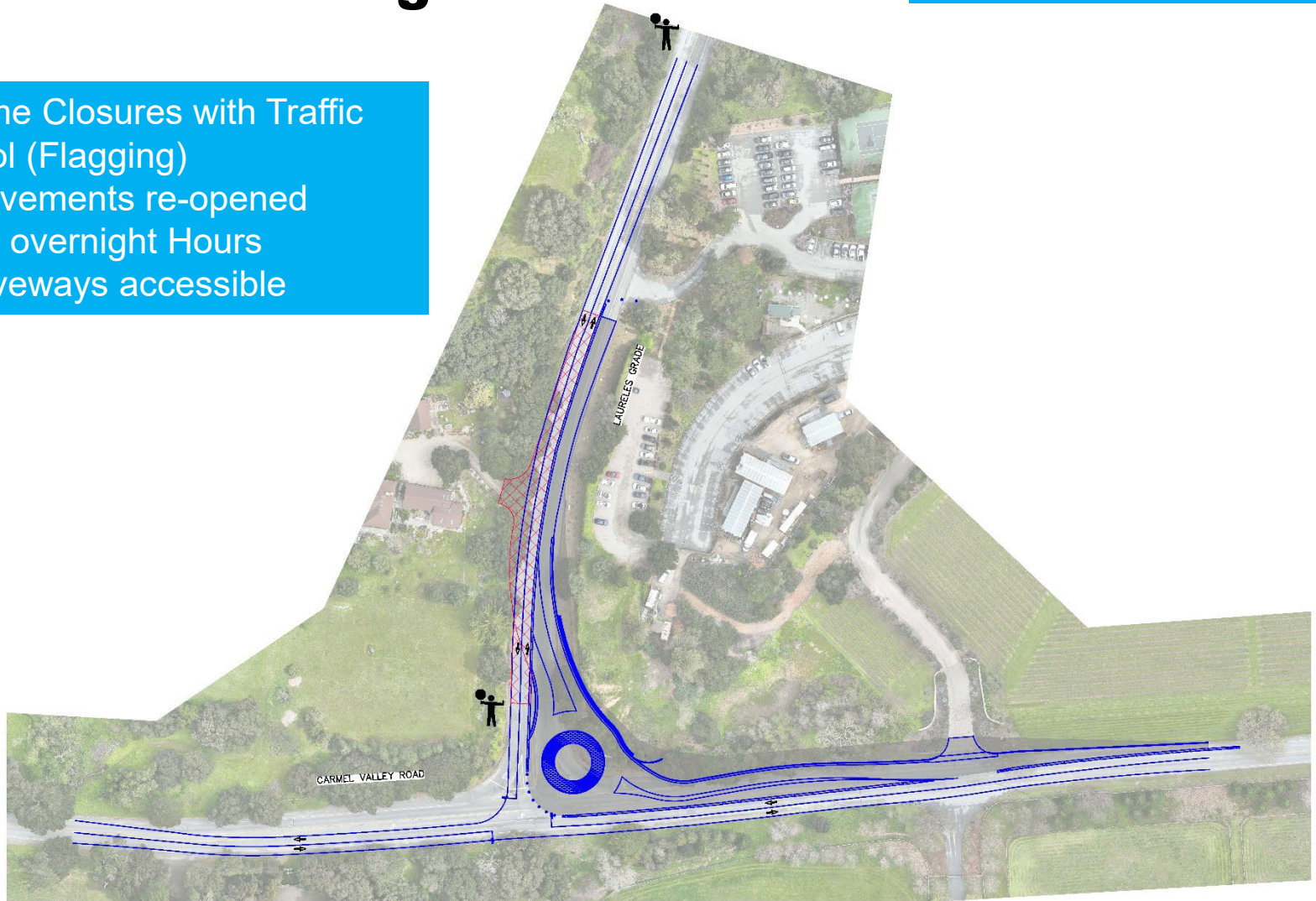
All Traffic Movements Open



Construction Stage 2

Estimated Working Days
45 Days

Daytime Closures with Traffic Control (Flagging)
All movements re-opened during overnight Hours
All driveways accessible



All Traffic
Movements Open

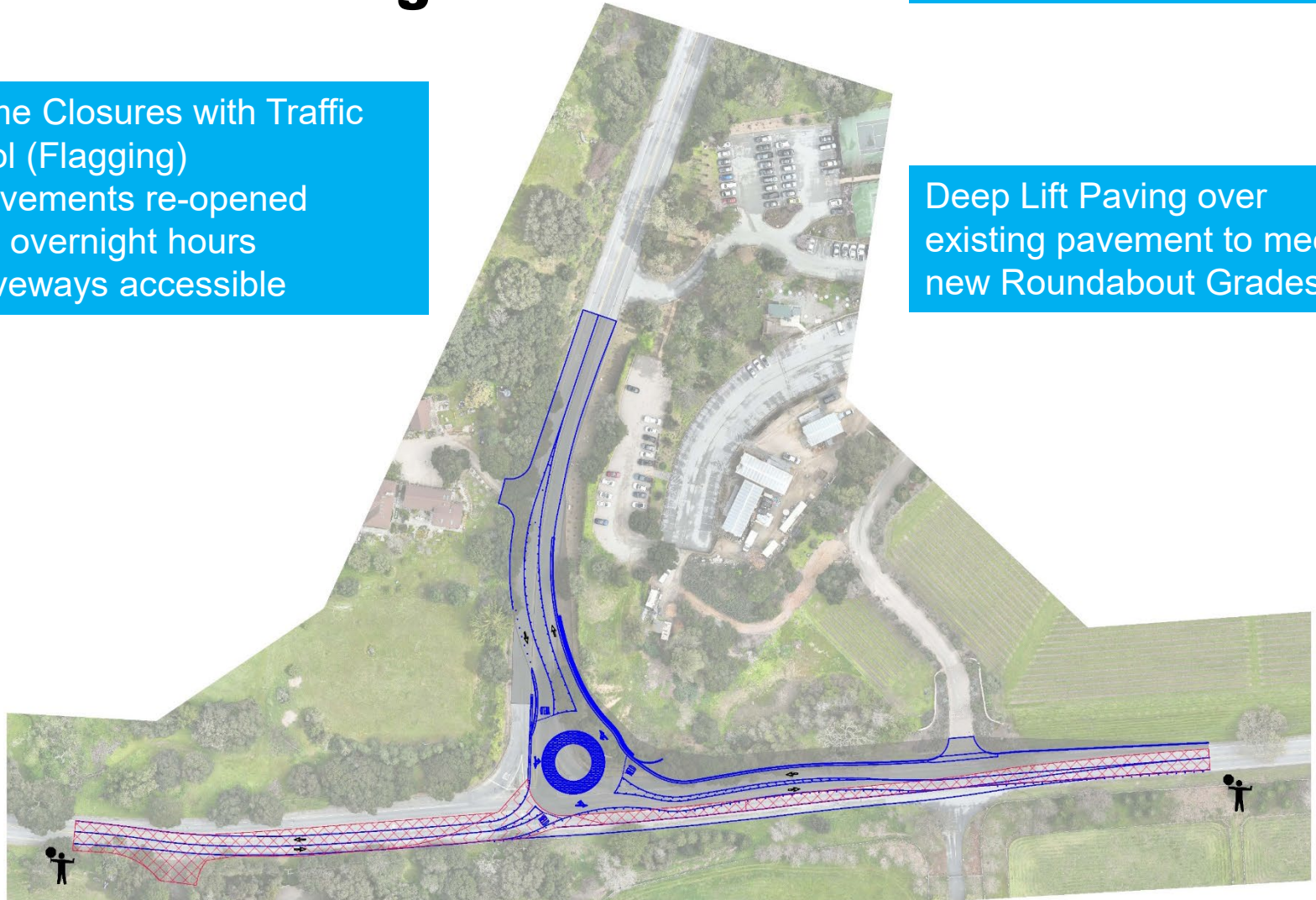


Construction Stage 3

Estimated Working Days
75 Days

Daytime Closures with Traffic Control (Flagging)
All movements re-opened during overnight hours
All driveways accessible

Deep Lift Paving over existing pavement to meet new Roundabout Grades



All Traffic Movements Open

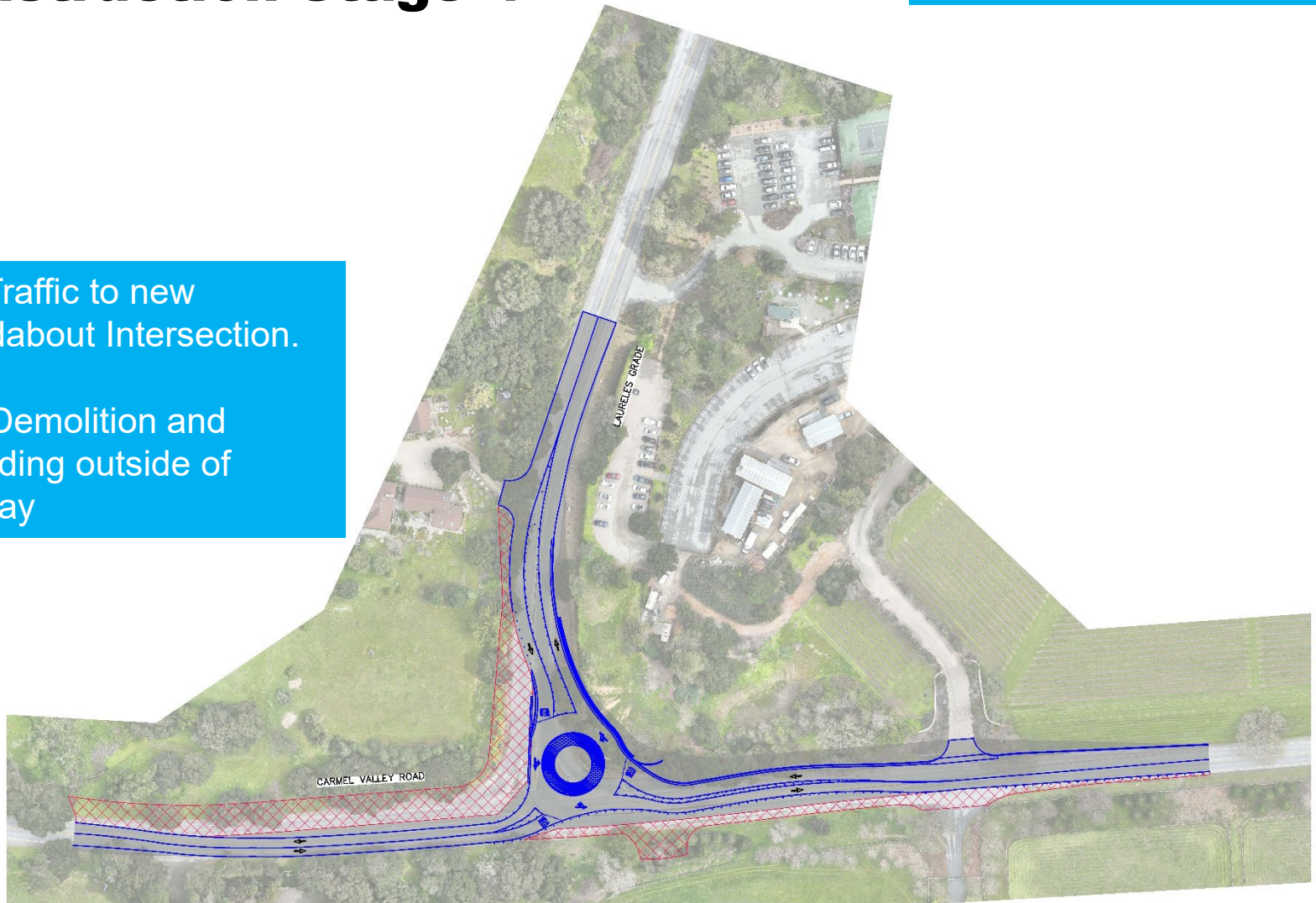


Construction Stage 4

Estimated Working Days
60 Days

Shift Traffic to new
Roundabout Intersection.

Final Demolition and
Regrading outside of
roadway



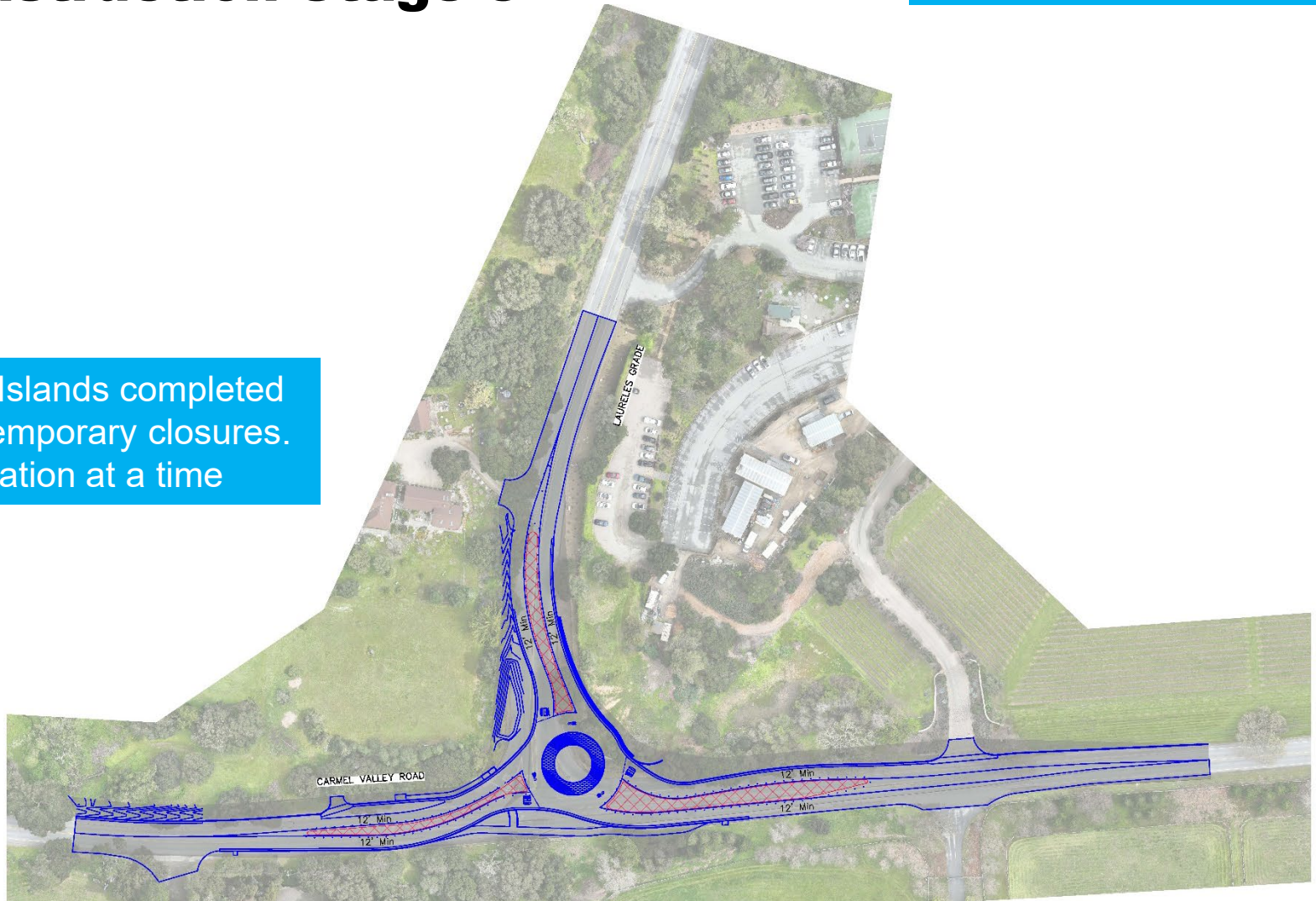
All Traffic
Movements Open



Construction Stage 5

Estimated Working Days
30 Days

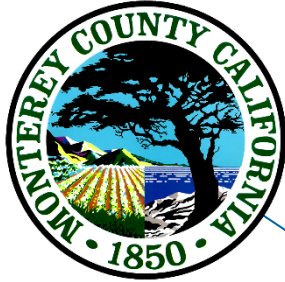
Splitter Islands completed
under temporary closures.
One location at a time



All Traffic
Movements Open



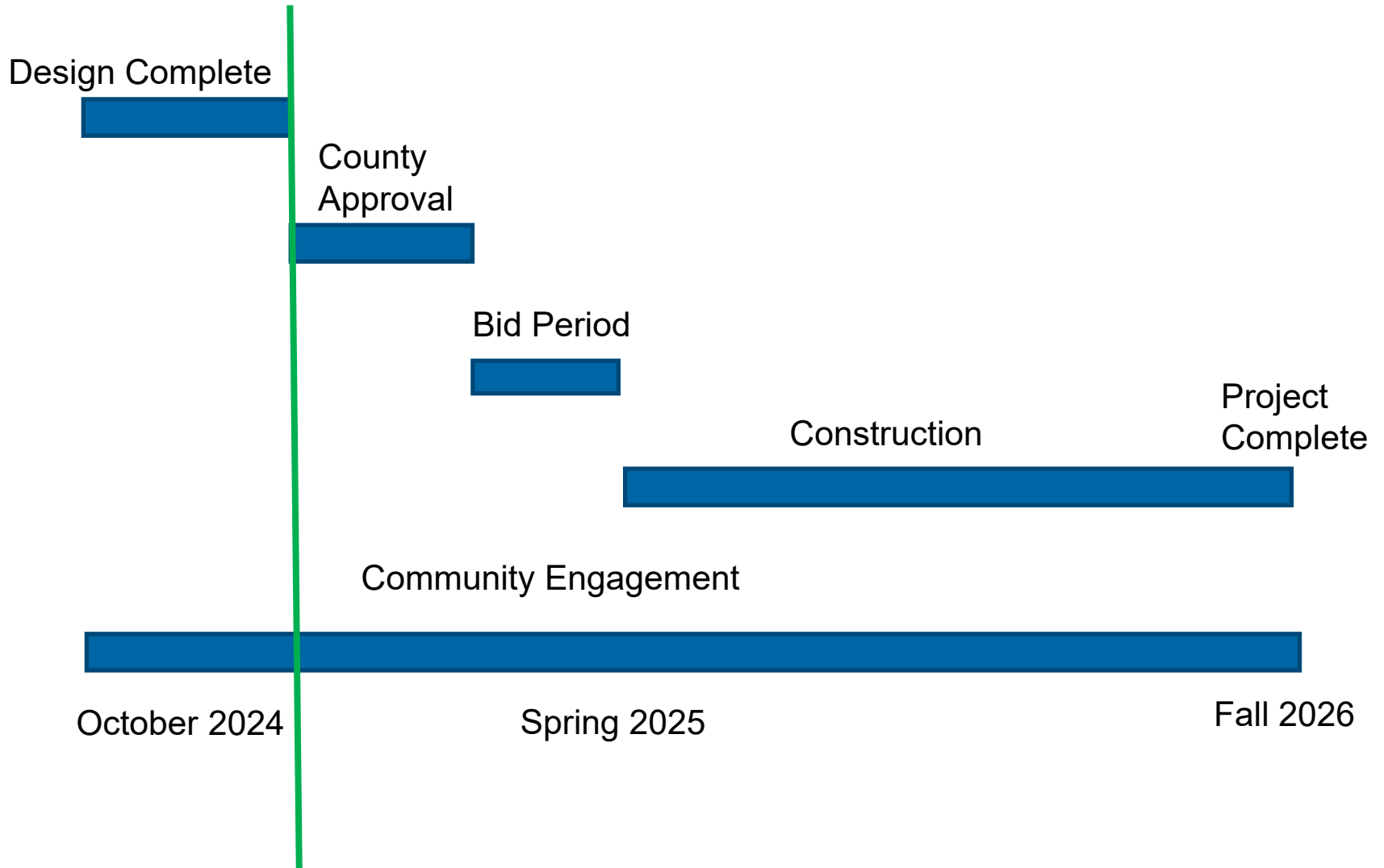
Project Funding Sources



Carmel Valley Traffic Impact Fee Program / Developer Impact Fees



Project Timeline





www.ghd.com