California Drive

Intersection Improvement Project

Public Meeting #1
October 6, 2015

Kimley»Horn

Welcome and Introductions

- Augustine Chou, City of Burlingame
  - Project Manager
- Eileen Goodwin, APEX Strategies
  - Public Outreach Consultant
- John Pulliam, Kimley-Horn
  - Civil/Roadway Design Consultant
- Kevin Aguigui, Kimley-Horn
  - Traffic Design Consultant

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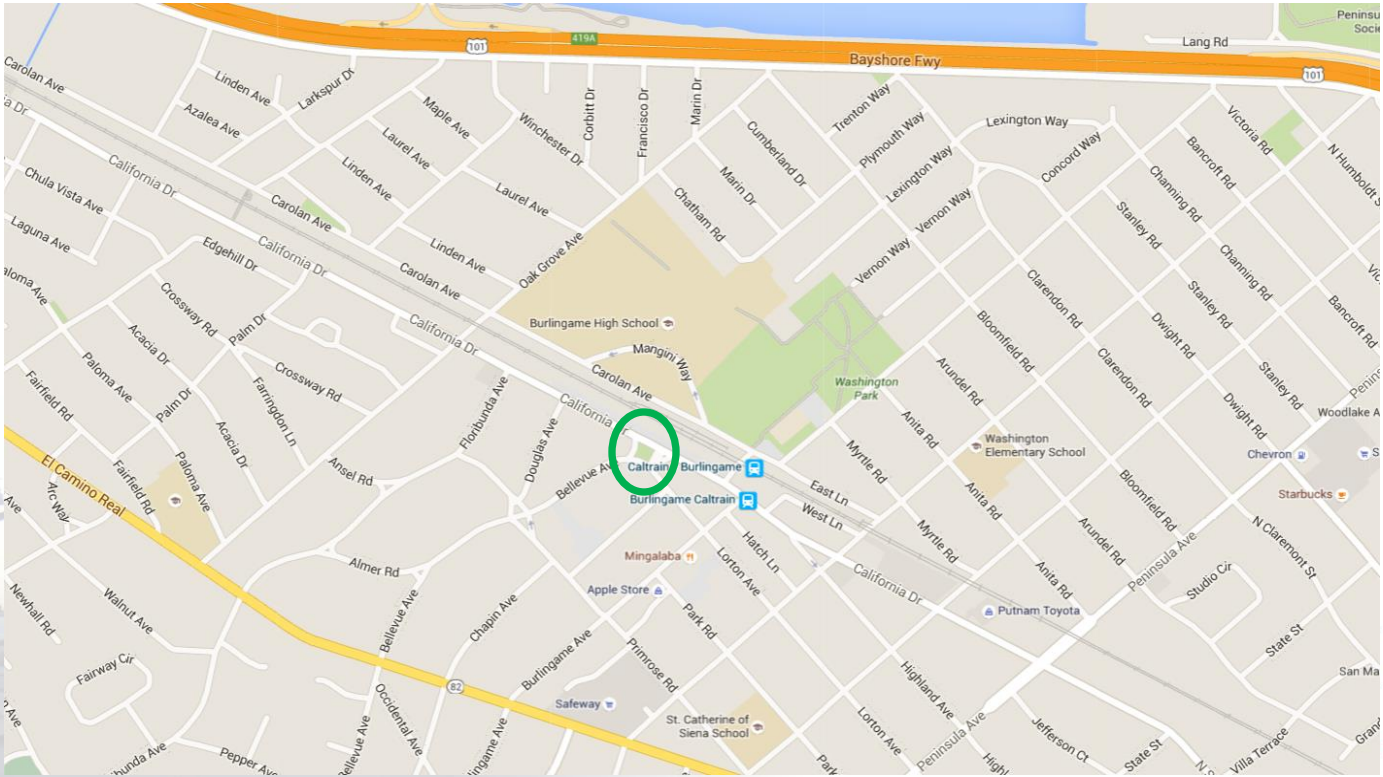
Project Location



Project Overview

Improve the intersection of California Drive, Bellevue Avenue, and Lorton Avenue by:

- Improving the safety and flow of all three transportation modes using the intersection (pedestrians, cyclists, and vehicles)
- Incorporating Green Streets and Complete Streets components
- Adding Class I or Class II bike lanes
- Adding highlighted crosswalks and new curb ramps, and by
- Modifying the intersection into a single roundabout.

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Existing Intersection Operations and Challenges

- Kevin Aguigui
  - Lead for Traffic Engineering, Design, and Simulation

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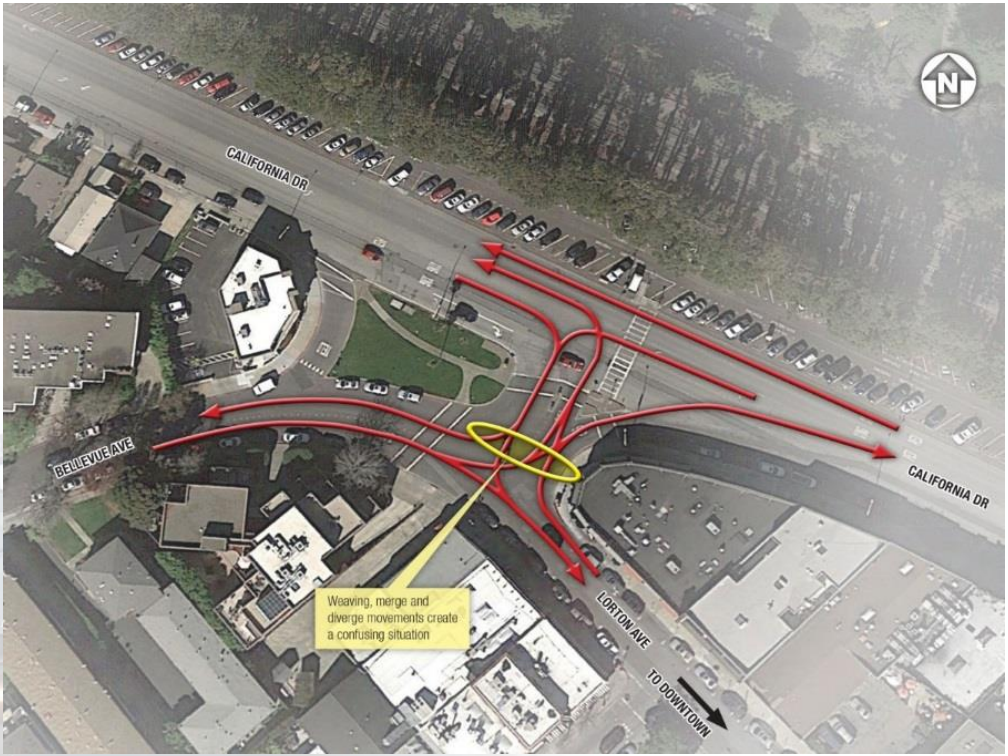
Existing Intersection Operations

Existing Intersection Operations



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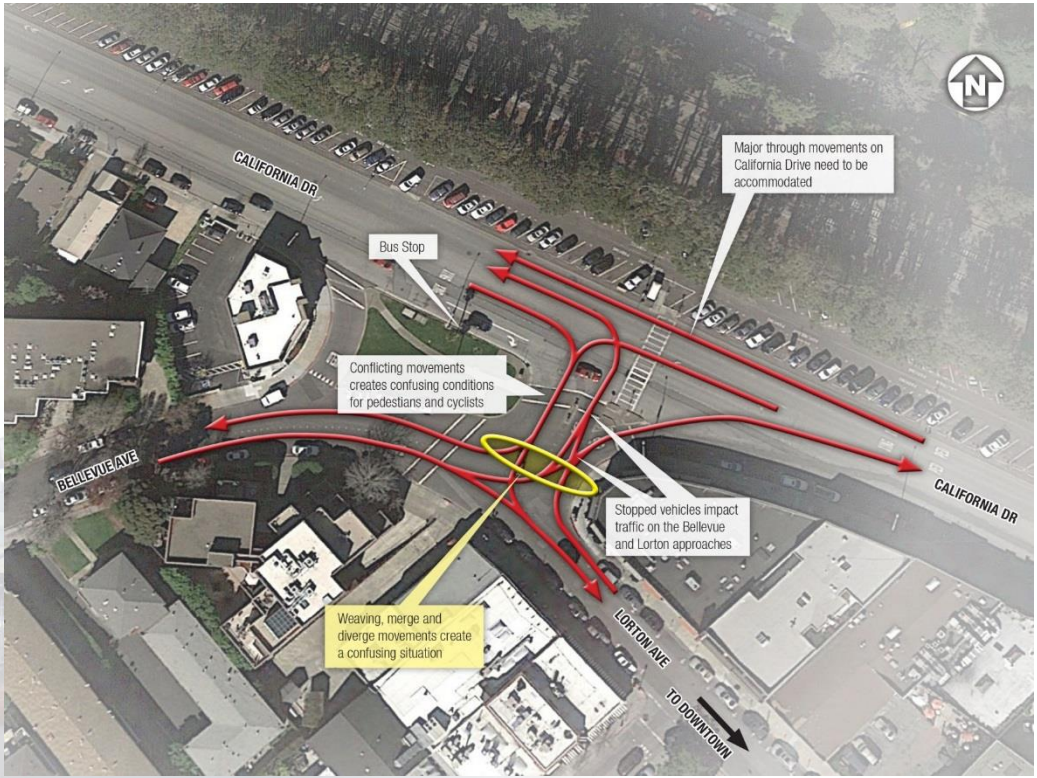
Existing Intersection Operations



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Existing Intersection Operations

Existing Intersection Operations

- The video shown at the public meeting may be viewed at: https://www.youtube.com/watch?v=_vB9vv18hZY

- This video depicts some of the existing traffic challenges at this intersection.

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Existing Intersection Operations

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Existing Intersection Operations

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- This video depicts some of the existing traffic challenges at this intersection.

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Intersection and Traffic Signal Evaluation

- Performed in 2007 by City (DKS Associates)
- Prepared report that discussed existing operation of intersection and analyzed alternatives to make it more efficient and safer
- 3 alternatives analyzed:
  - Signalizing existing intersection
  - Roundabout
  - Half-Roundabout

- Roundabout was identified as the preferred alternative based on
  - Engineering
  - Safety
  - Aesthetics
- Roundabout option incorporated into the City's Downtown Specific Plan (adopted on 10/4/2010)

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Benefits of Roundabouts

- FHWA has identified roundabouts as a proven life-saving roadway safety strategy
- Compared to traffic signals and stop-controlled intersections, roundabouts:
  - Virtually eliminate high-speed right-angle and head-on crashes
  - Operate more efficiently (no waiting at red lights)
  - Greener than signals (less idling, increased fuel efficiently)
  - Slower vehicle speeds make it safer for pedestrians

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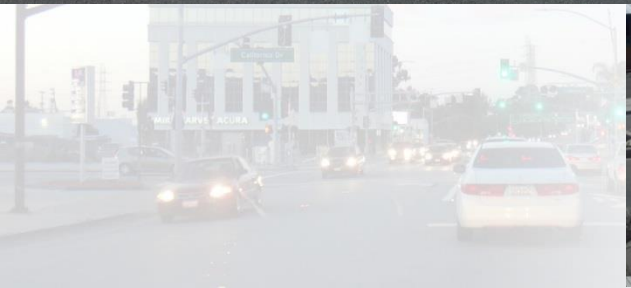
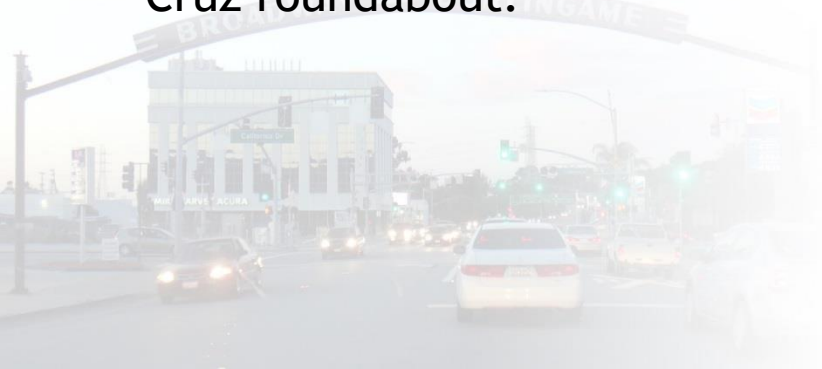
Preliminary Concept of California Roundabout

Similar roundabouts – Santa Cruz, CA



Similar roundabouts – Santa Cruz, CA

- The video shown at the public meeting may be viewed at: https://youtu.be/qUJRAJiNfXw
- This video depicts vehicles moving through the Santa Cruz roundabout.



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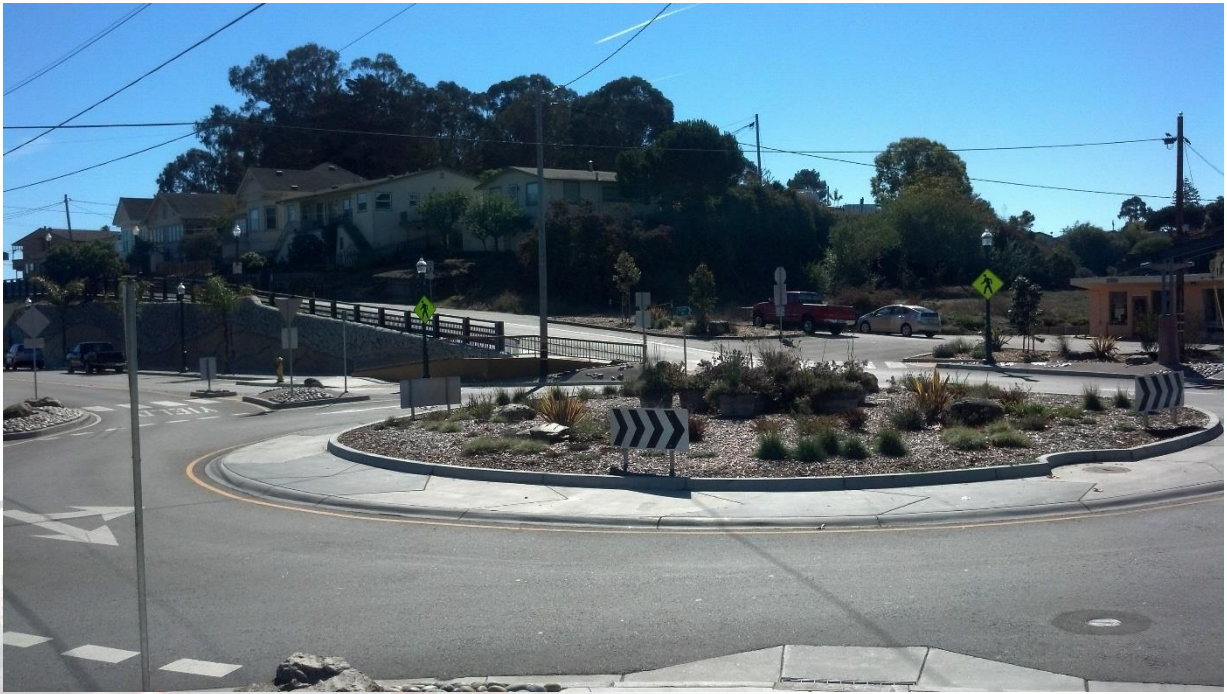
Similar roundabouts – Santa Cruz, CA



Similar roundabouts – Ocean Isle Beach, NC

Similar roundabouts – Franklin Street, Wake Forest, NC

Similar roundabouts – Raleigh, NC

Similar roundabouts – Others

How to use a roundabout

- The video shown at the public meeting may be viewed at: https://www.youtube.com/watch?v=AMV02ReN0lo

- This is an instruction video on how to drive in a roundabout.

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Next Steps

- Gather up tonight's comments, feedback, and suggestions
- Design team proceeds with gathering traffic counts and intersection analysis
- From analysis output, the design team proceeds with preliminary design of intersection improvements
- A second public meeting is held to present design simulation and preliminary design, and gather public input on landscaping, hardscaping, and other amenities

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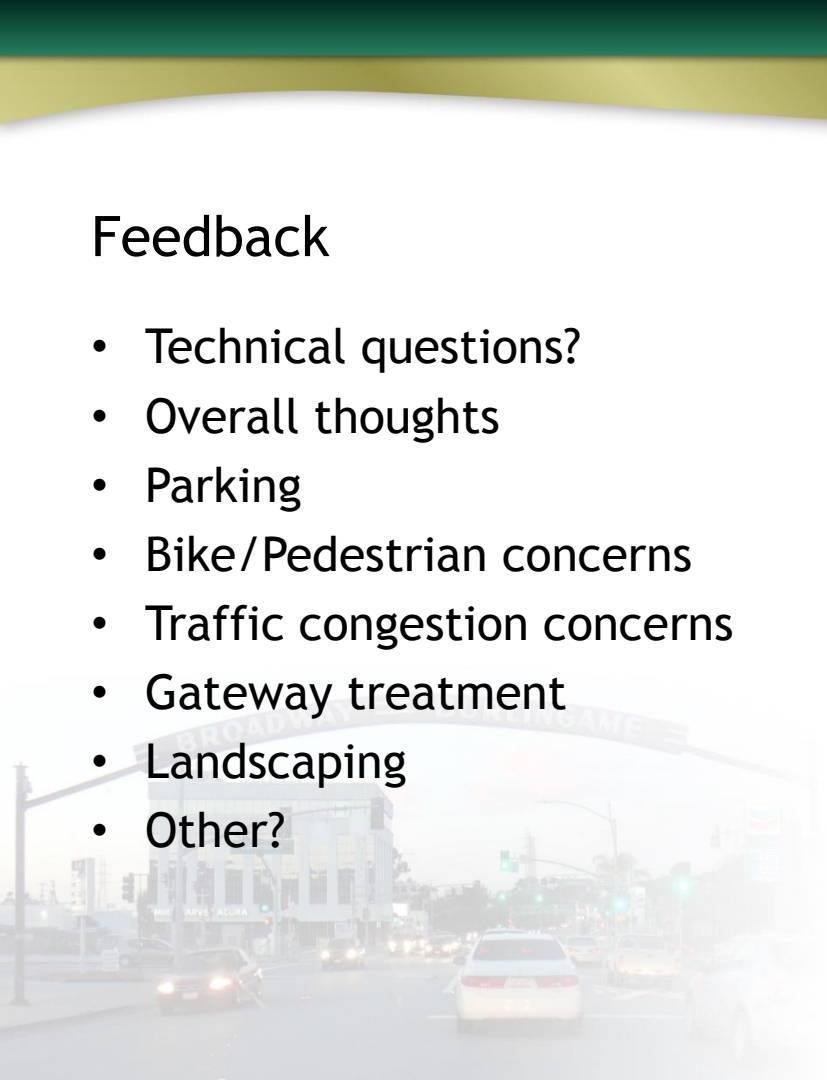
Feedback

- Technical questions?
- Overall thoughts
- Parking
- Bike/Pedestrian concerns
- Traffic congestion concerns
- Gateway treatment
- Landscaping
- Other?



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Adjourn

For more information, please contact:

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