

BAYSIDE DRIVE IMPROVEMENT PROJECT CONCEPT LAYOUT REVIEW



FEBRUARY 21, 2017

Meeting Goal



Continue building consensus among community representatives in order to develop the preferred project concept.

Represented Communities

- Promontory Bay
- Linda Isle
- Harbor Island
- Beacon Bay
- Bayside Coves
- Promontory Point
- Balboa Island
- Irvine Company
- Other Community Members



Project Status

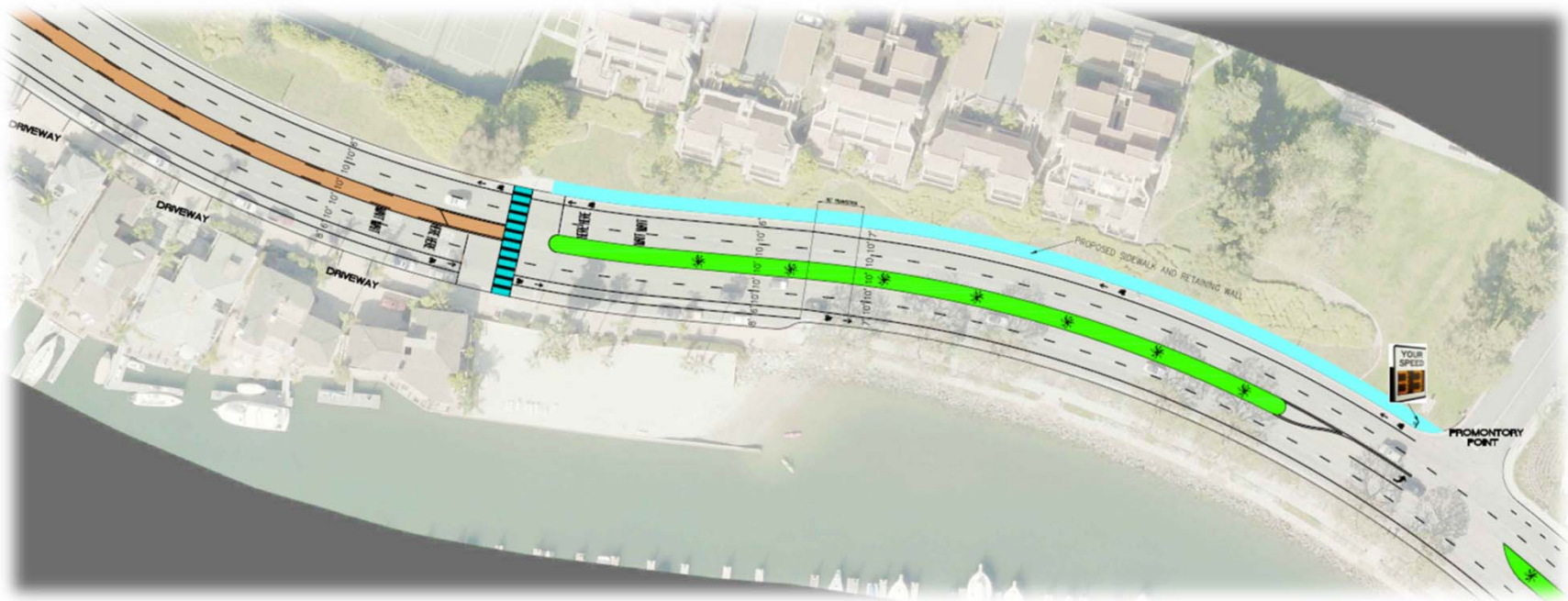


- **Three concept options prepared and refined through public outreach, data collection and observations**
- **After Council/Community Review - Council requested Staff to proceed with project Design of Two-Lane Concept with Roundabout (11/22/16) with:**
 - **Review of alternative configurations at request of Linda Isle – Presented to Board**
 - **Additional outreach to Balboa Island**
- **Community Focus Group Meeting (2/8/17)**
- ***Community Focus Group Follow-up Meeting (3/21/17)***

Design Alternatives - Recap

Three Geometric Alternatives presented to Council

- No Change to current configuration
- Reduced Width – Four Lane Roadway (Minor Traffic Calming)
- Two/Four Lane Hybrid Roadway with Roundabout (Moderate Traffic Calming)



Reduced Width - Four Lane Alternative

Concept Features

- **Maintain four vehicle lanes – Reduced width**
- **No change to Harbor Island intersection**
- **Install landscaped/raised and decorative/flush medians**
- **Install new sidewalk segment and standard bike lanes**
- **Install speed feedback signs**
- **Rehabilitate infrastructure**



Reduced Width - Four Lane Alternative Expected Benefits

- Potential minor Speed Reduction & Traffic Calming
- Improved lane channelization
- Improve Pedestrian and Bicycle continuity
- Roadway beautification and rehabilitation



Hybrid Alternative (Roundabout) Concept Features

- Reduce portion roadway from four to two vehicle lanes
- Maintain four reduced vehicle lanes at shopping center
- Roundabout at Harbor Island Drive
- Install landscaped/raised and decorative/flush medians
- Install new sidewalk segment and buffered bike lanes
- Rehabilitate infrastructure



Hybrid Alternative (Roundabout)

Expected Benefits



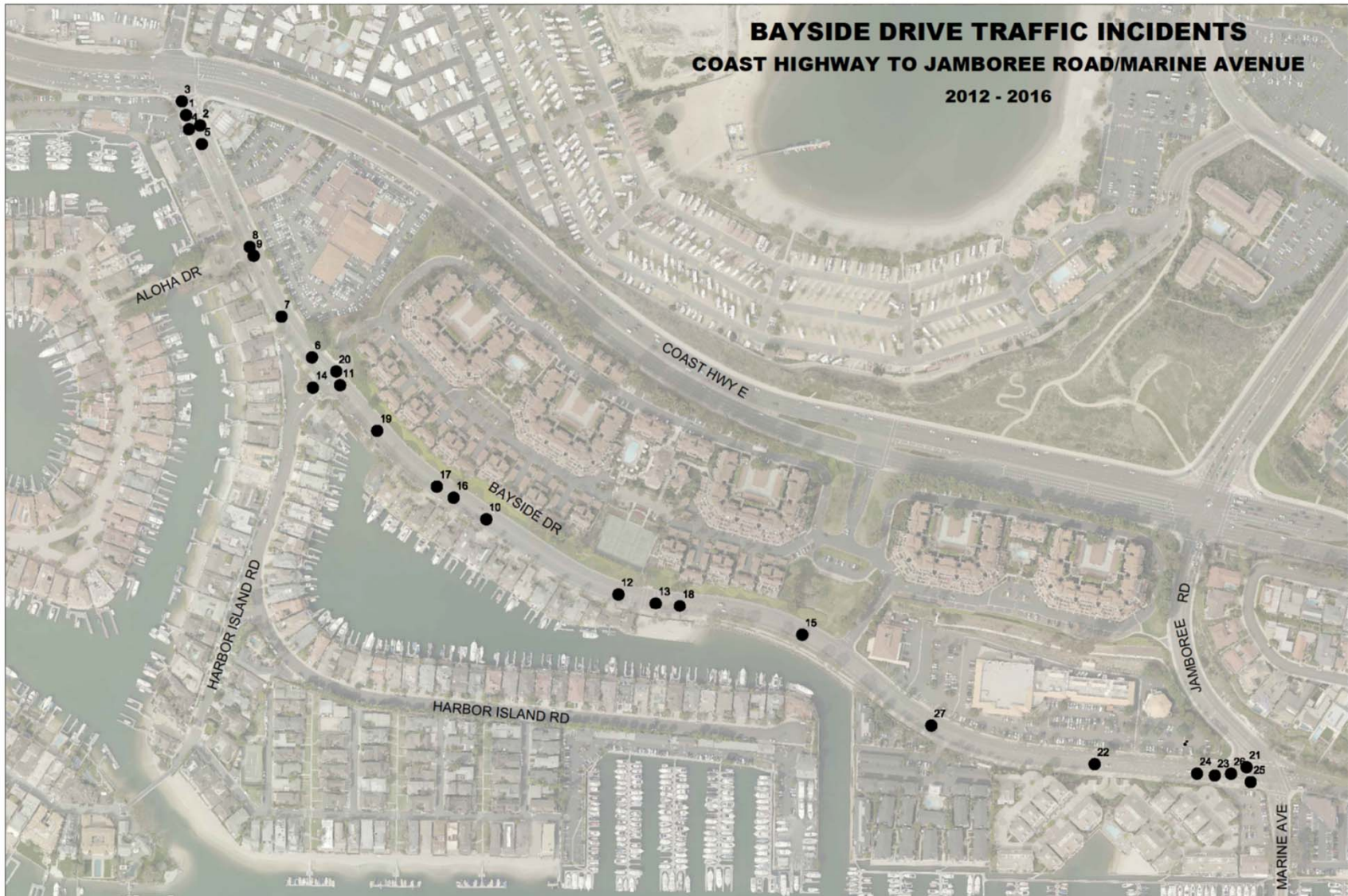
- **Expect moderate speed reduction**
- **Reduced incident frequency/severity**
- **Improved channelization**
- **Increased vehicle separation from homes**
- **Pedestrian and Bicycle continuity**
- **Reduction of sidewalk/wrong way cycling**
- **Potential future Golf Cart connection utilizing wider/buffered bike lanes**

Continuing Discussion Items from February Meeting

- **Accident History**
- **Enforcement Activity**
- **Three Lane Concept**
- **One Lane Approach to Linda Isle**
- **Additional Parking**
- **Deploy Trial of New Concept**



Accident History




Accident History



Speed Enforcement

Speed Trailer Data (27 days)*

Average Speed	85% Speed	High Speed	Hourly High (Average)	Daily EB Volume (Average)
32	41	86	66	5000



***Located east of Harbor Island Drive – East Bound**

Sign location captured slower, turning vehicles at Harbor Island Drive

***Trailer is a “traffic calming” device**

Vehicles tend to slow when they see the speed trailer display

Three Lane Alternative

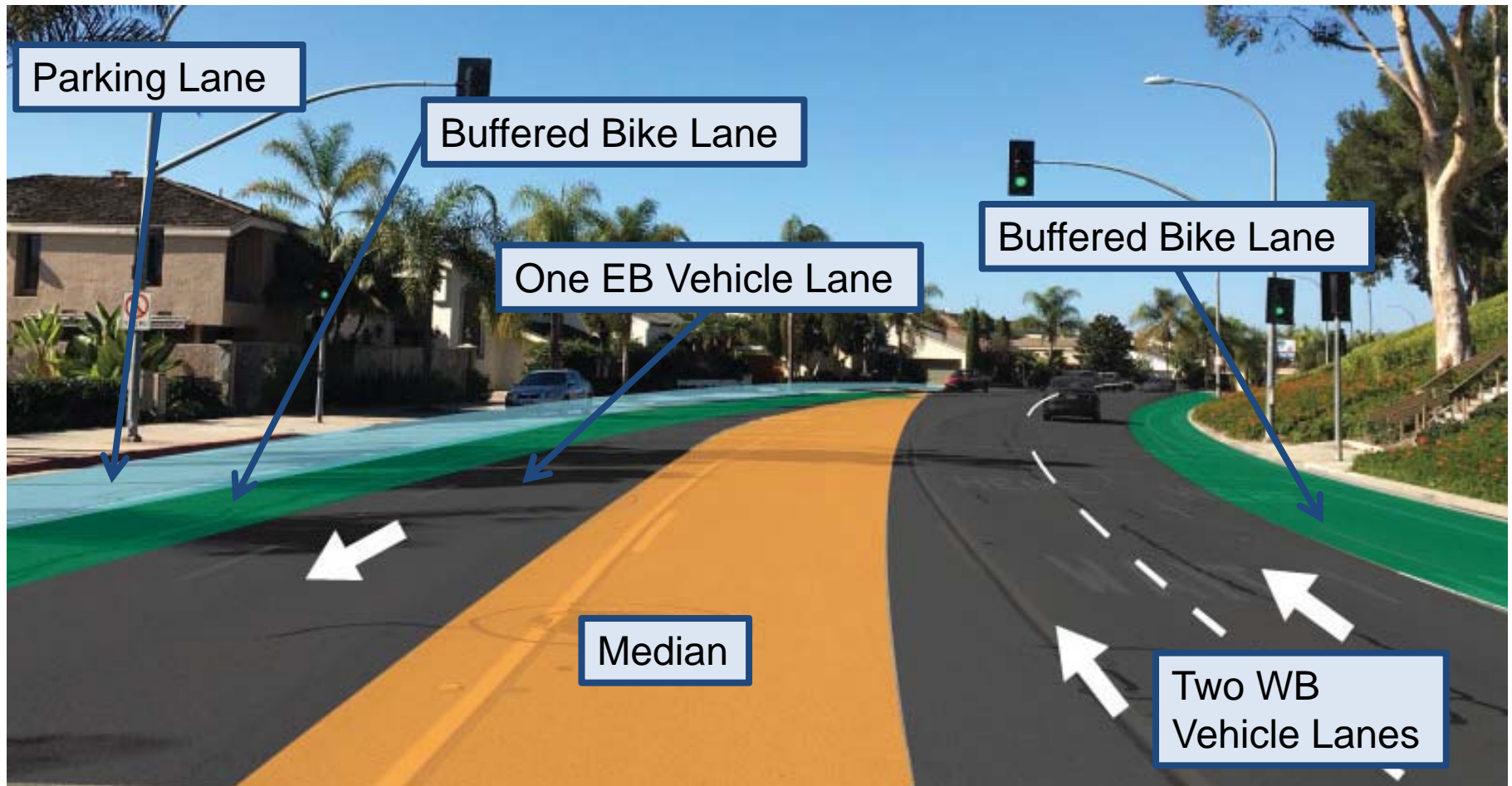
- **One Eastbound lane and Two Westbound lanes from Coast Hwy to Promontory Dr East**
- **Four lanes from Promontory Dr East to Jamboree/Marine**
- **Install landscaped/raised and decorative/flush medians**
- **Install new sidewalk segment and buffered bike lanes**
- **No intersection control change at Harbor Island Drive**
- **Install speed feedback signs**
- **Rehabilitate infrastructure**



Three Lane Alternative Promontory Bay Frontage



Three Lane Alternative Promontory Bay Frontage



Three Lane Alternative Expected Benefits



- Potential minor speed reduction
- Increased vehicle separation from homes
- Improved lane channelization
- Improved Pedestrian and Bicycle continuity
- Reduction of sidewalk/wrong way cycling
- Roadway beautification and rehabilitation

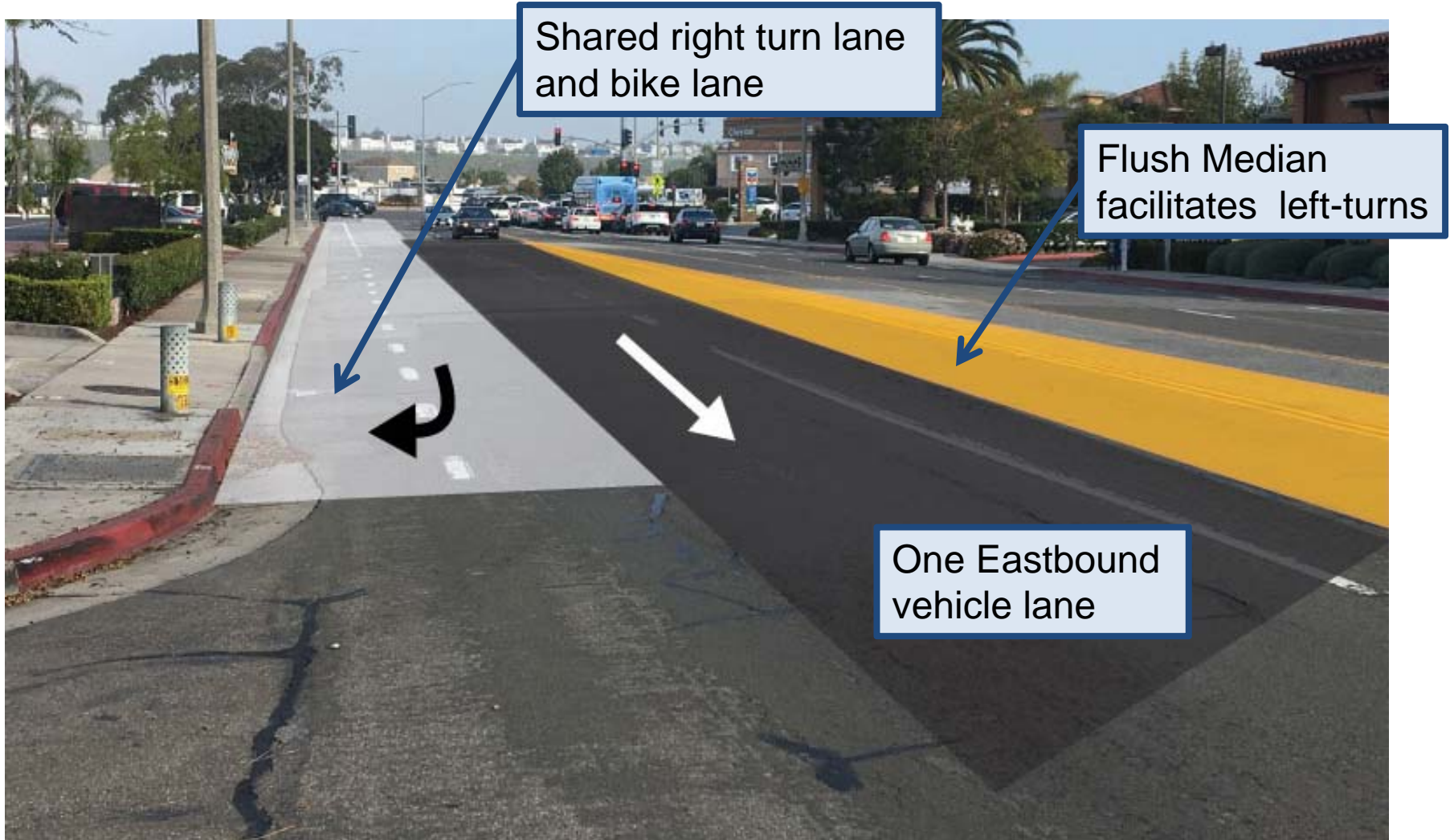
One Lane Approach to Linda Island Entry

Community Comments

- Keep two lanes and merge after Aloha Dr
- Maintain flush/striped median
- Add No Right Turn on Red restrictions to the Coast Hwy/Bayside Dr intersection?
- Car Haulers park in median



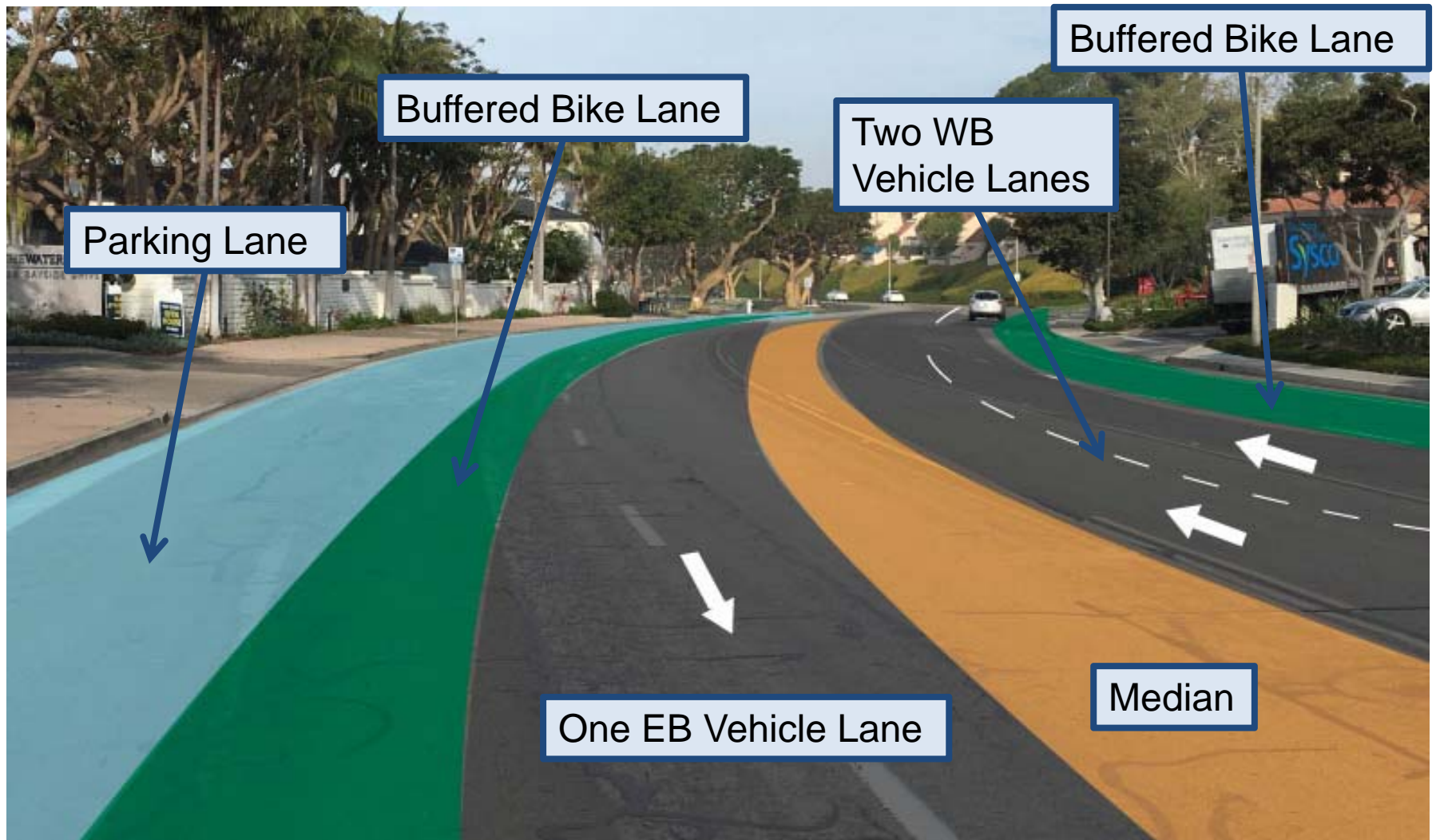
One Lane Approach to Linda Isle



Additional Parking Opportunity Concept Location

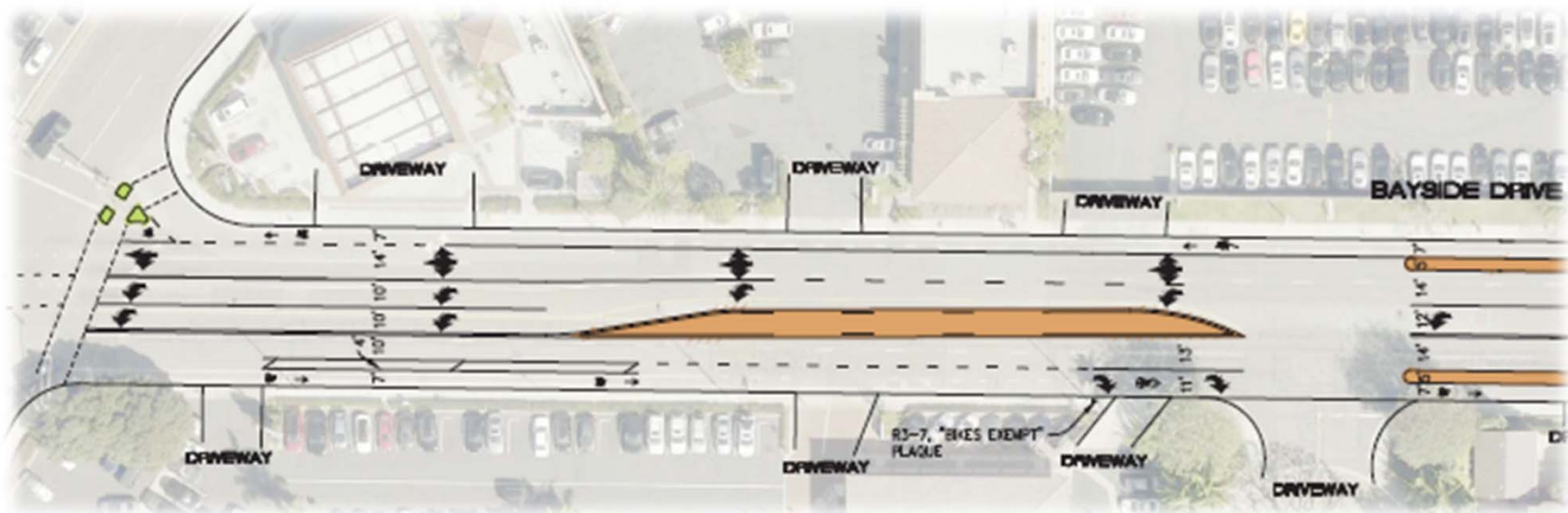


Additional Parking Concept Roadway Layout



Temporary Trial of New Concept

- Can the roadway be temporarily reconfigured as a trial of the new concept?
 - Yes – If a two or three lane concept are chosen
 - The roundabout may not be installed is a trial.



Conceptual Cost Summary

Two Lane with Roundabout	Three Lane	Reduced-width Four Lane	No Change
\$2,200,000	\$1,900,000	\$1,800,000	\$1,200,000



Next Steps

- **Develop Consensus on a Concept**
- **Return to City Council for larger Public Meeting**
- **Temporary restripe of roadway as a trial (If reduced lane concept is selected)**



Questions & Comments



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