



ADLP and Santa Cruz Ave

Safety Improvements – Conceptual Changes

Community Meeting
January 30, 2020

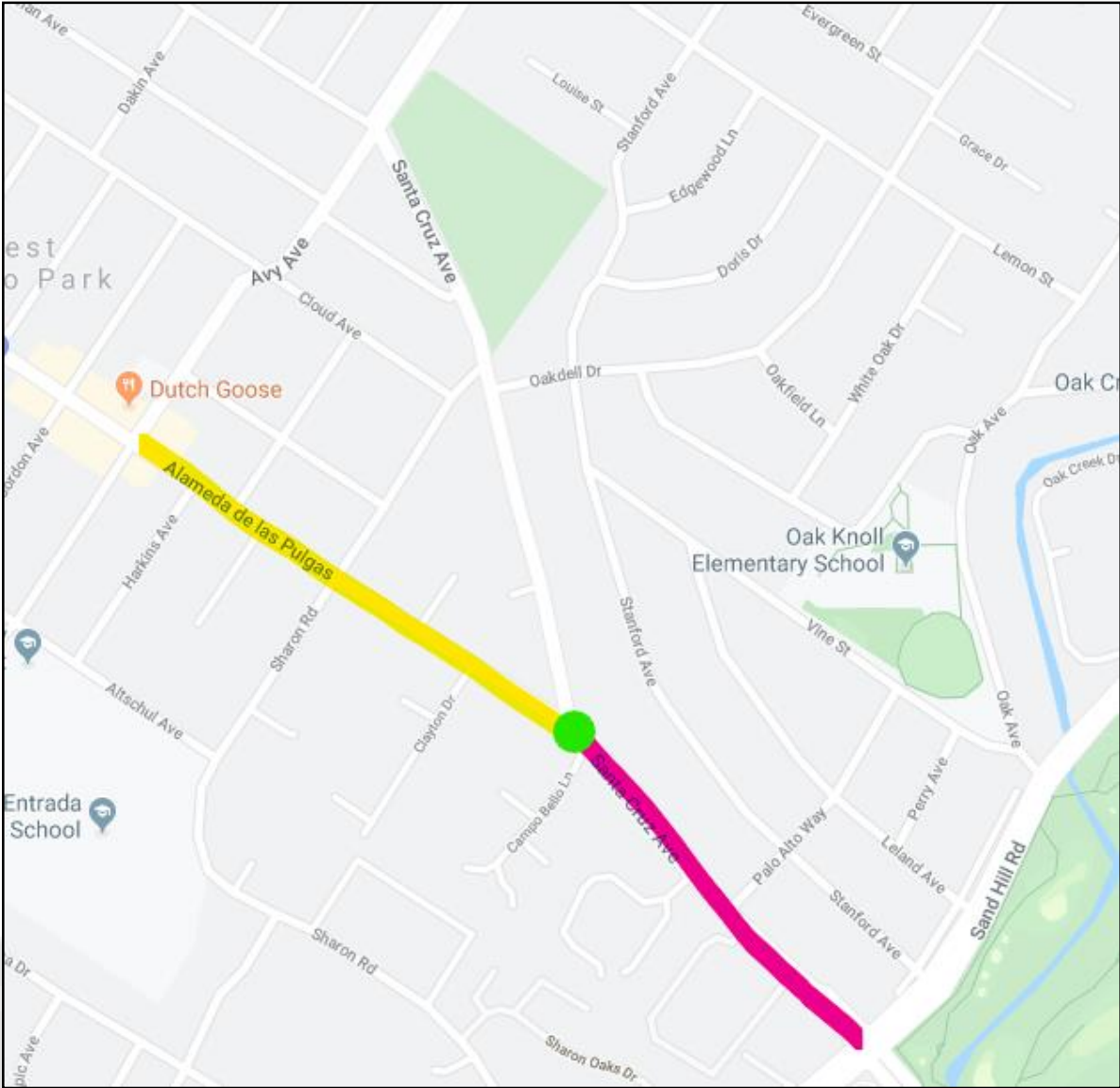


General Introduction

Jim Porter, San Mateo County Public Works Director
Joseph LoCoco, San Mateo County Public Works Deputy Director – Road Services



Meeting Introduction



Who are the Task Force?

Task Force Members:

Representing	Name
Alameda de las Pulgas	Hillary Stevenson
Cyclist with Silicon Valley Bicycle Coalition	John Langbein
Pedestrian	John Loughlin
Safe Routes to Schools	Jen Wolosin
Santa Cruz from Sandhill Rd to Y	Cheryl Phan
The Y	Molly Glennen
Cyclist with Silicon Valley Bicycle Coalition	Bill Kirsch (substitute for John Langbein)
Member at large - University Park Inner	Ron Snow
Menlo Commons	Gwen Leonard
Menlo Park resident	Troy Hayes
Motorists	Janet Davis

Representing	Name
CHP	Jason Ivey
CHP	Chris Barshini
CHP	Anthony Ruiz
Department of Public Works	Diana Shu
Department of Public Works	Joe LoCoco
Department of Public Works	Jim Porter
Department of Public Works	Harry Yip
Department of Public Works	Hanieh Houshmandi
Menlo Fire District	Harold Schapelhorman
Menlo Fire District	Tom Calvert
Menlo Fire District	Virginia Chang Kiraly
Menlo Fire District	Jon Johnston
Menlo Park Police Department	William Dixon
Menlo Park, Department of Public Works	Kevin Chen
Sheriff's Office	Chad Buck
Supervisor Horsley's Office	Don Horsley
Supervisor Horsley's Office	Jazzalyn Lamadora
Supervisor Horsley's Office	Carrie Dallman
Deputy County Manager	Iliana Rodriguez



Meeting Agenda:

7:00 PM	General introduction Logistics of Meeting	Jim Porter/Joe Lococo – County DPW
7:05 PM	Task Force Collaboration and Previous Survey Results	John Loughlin – Task Force
7:20 PM	Presentation of Technical Alternatives	Adam Dankberg - Kimley Horn Associates
7:50 PM	Breakout Session <ul style="list-style-type: none"> • Hands-on viewing of exhibits • Video simulations of alternatives on screen • Write down comment cards 	Joe Lococo – County DPW
8:10 PM	Question and Answer Session	Joe Lococo – County DPW Adam Dankberg - Kimley Horn Associates
8:50 PM	Closing Next Steps: <ul style="list-style-type: none"> • Survey • Anticipated milestones 	Joe Lococo – County DPW




Meeting Logistics

Questions and Comments

- Questions and comments will be addressed in Q&A session
- All comments shall be made on comment card and placed in respective colored box

Preferences Survey

- Request your feedback through online survey

COUNTY OF SAN MATEO 

Santa Cruz Avenue and Alameda de las Pulgas Roadway Improvements

Comment Card

Location of Comment/Question:

ADLP: Avy to Santa Cruz

Santa Cruz: ADLP to Sand Hill

The "Y" Intersection

General

Roadway Section:

Motor Vehicle Way

Bikeway

Sidewalk

Crosswalk

Other

Comment/Question: _____

Name: _____ Date: _____ January 30, 2020

Address (Optional): _____

City/State/Zip Code (Optional): _____

Email (Optional): _____ Phone (Optional): _____

Task Force Collaboration and Previous Survey Results

John Loughlin, taskforce member & resident living on Santa Cruz Ave



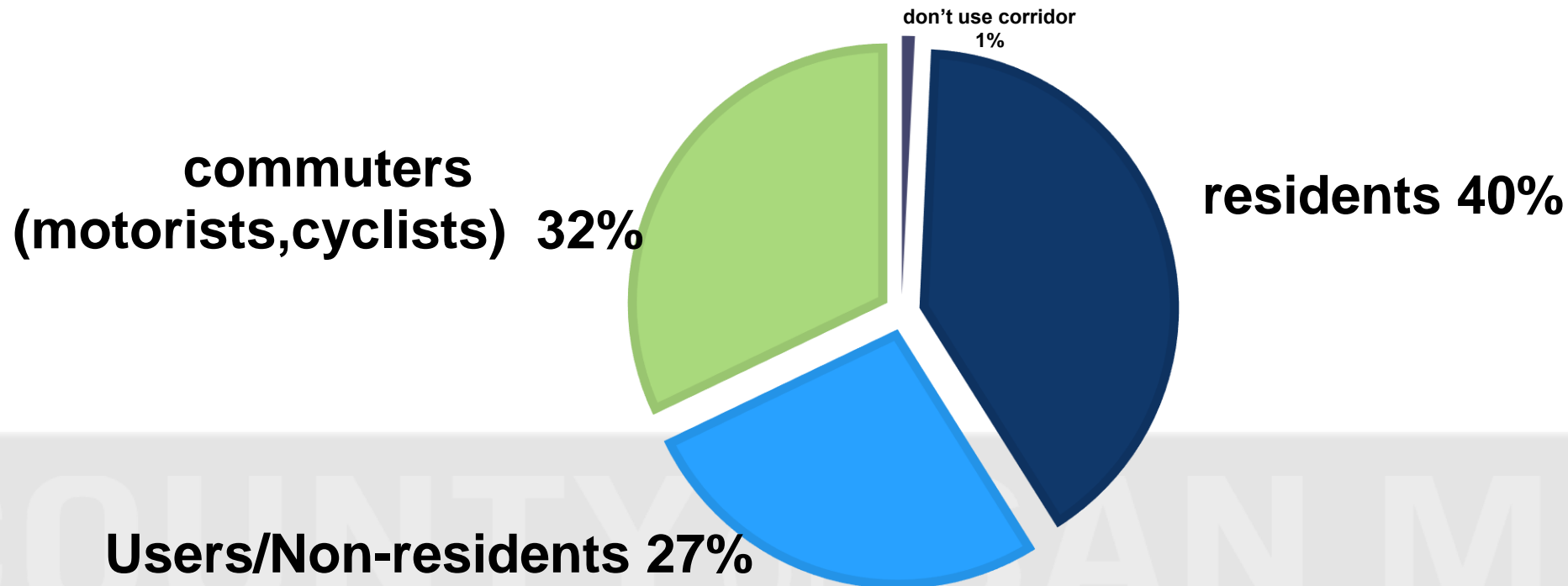
Community Involvement Drives The Task Force

- 🔗 First Community Meeting Aug 2017: Significant Interest & Some Concern
 - Interest: strong desire for improved safety, but many options & constituencies
 - Concern: how to make complex tradeoffs clear & explicit; and, who decides?
- 🔗 SMC Task Force (Since Fall 2017): Open to, populated, and driven by residents, cyclists, motorists, pedestrians, Safe Routes to School Representatives. Also supported by MP Police, MP Fire, County DPW, & Board of Supervisors.
- 🔗 A powerful community forum for identifying the issues & opportunities, examining the options and arriving at the explicit benefits and tradeoffs.... All driving to this session to report back and gather another round of Community feedback

Understanding Community Priorities : the Survey

- Extensive survey formulated by full Task Force
- Community participation solicited via email, post-cards, social media, mail lists, electronic message boards, newspaper & door-to-door
- Survey conducted on-line from Sept 1 to Sept 23, 2018
- 701 Respondents

WHO MAKES UP THE 701 RESPONDENTS?



Major Findings of the Survey

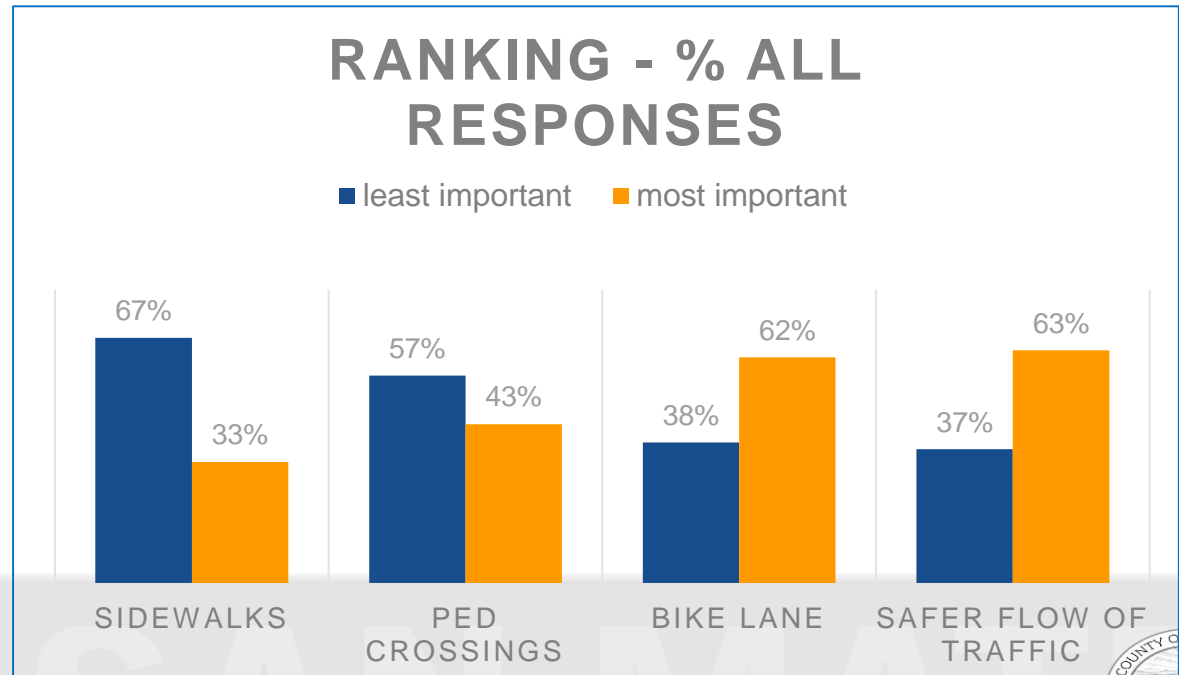
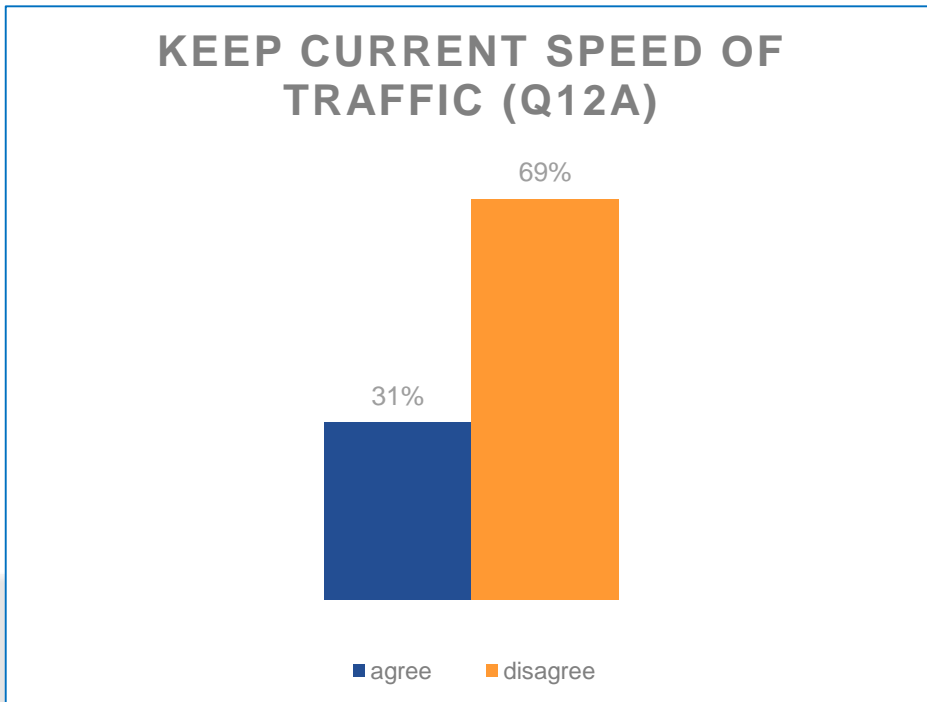
- The vast majority of all respondents (residents, commuters and non-resident users) wanted **safety improvements** along the corridor.
- Respondents consistently ranked “**Safer flow of traffic**” as an improvement most important to them.
- Within each respondent group, almost all were willing to **reduce a travel lane in exchange for improved safety**.
- However, **specific priorities and tradeoffs varied by respondent group**.

All Respondents Want Safety Improvements

Respondents not satisfied with current conditions and desire changes to make all modes of travel safer.

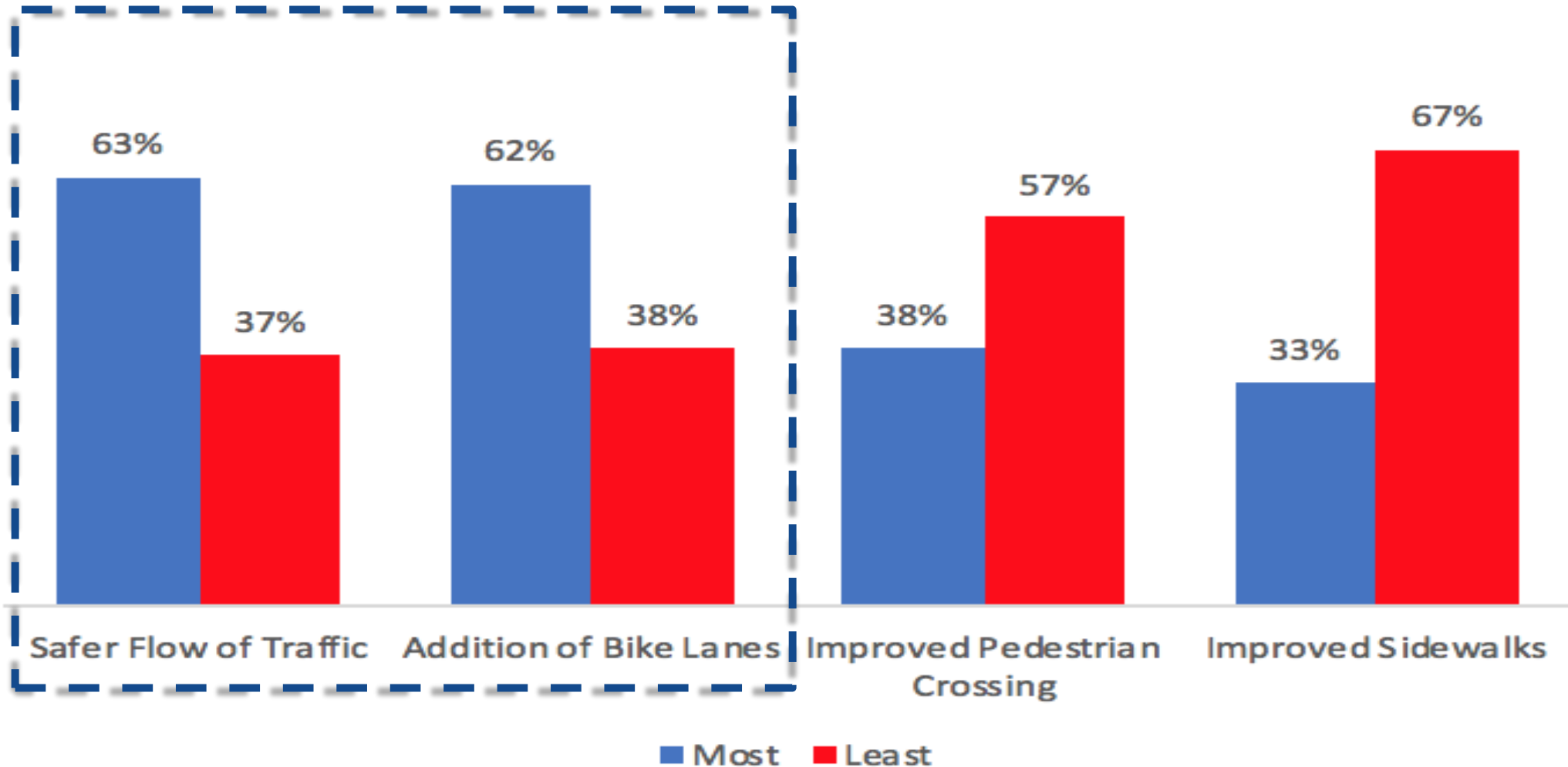
🔗 “Maintain the current speed and flow of traffic even if it means minimal safety improvements.” (Q12a)

🔗 Respondents ranked “Safer flow of traffic” as the improvement most important to them (Q13).

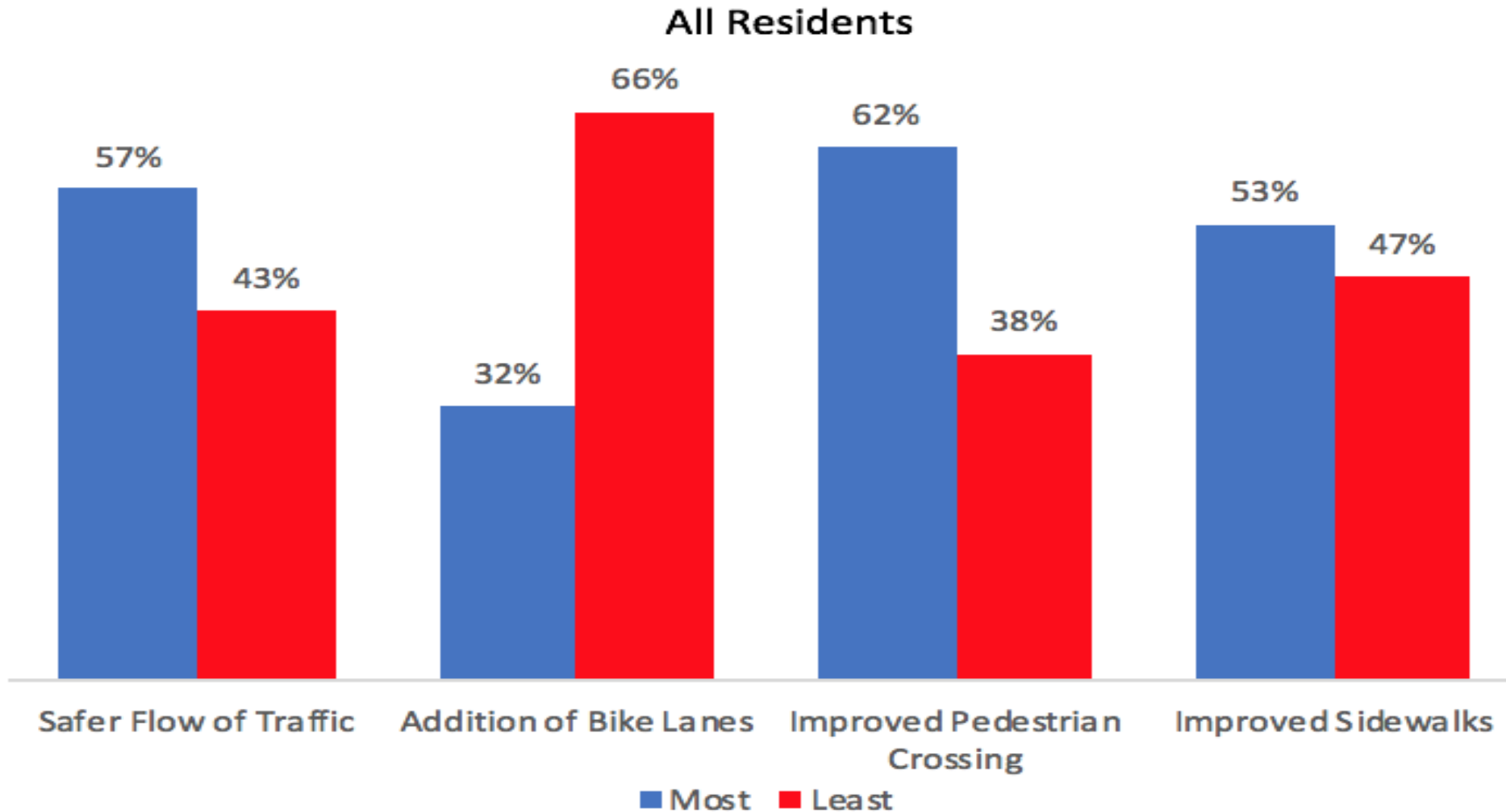


All Respondents Want Safety Improvements Commuters

Respondents not satisfied with current conditions and desire changes to make all modes of travel safer



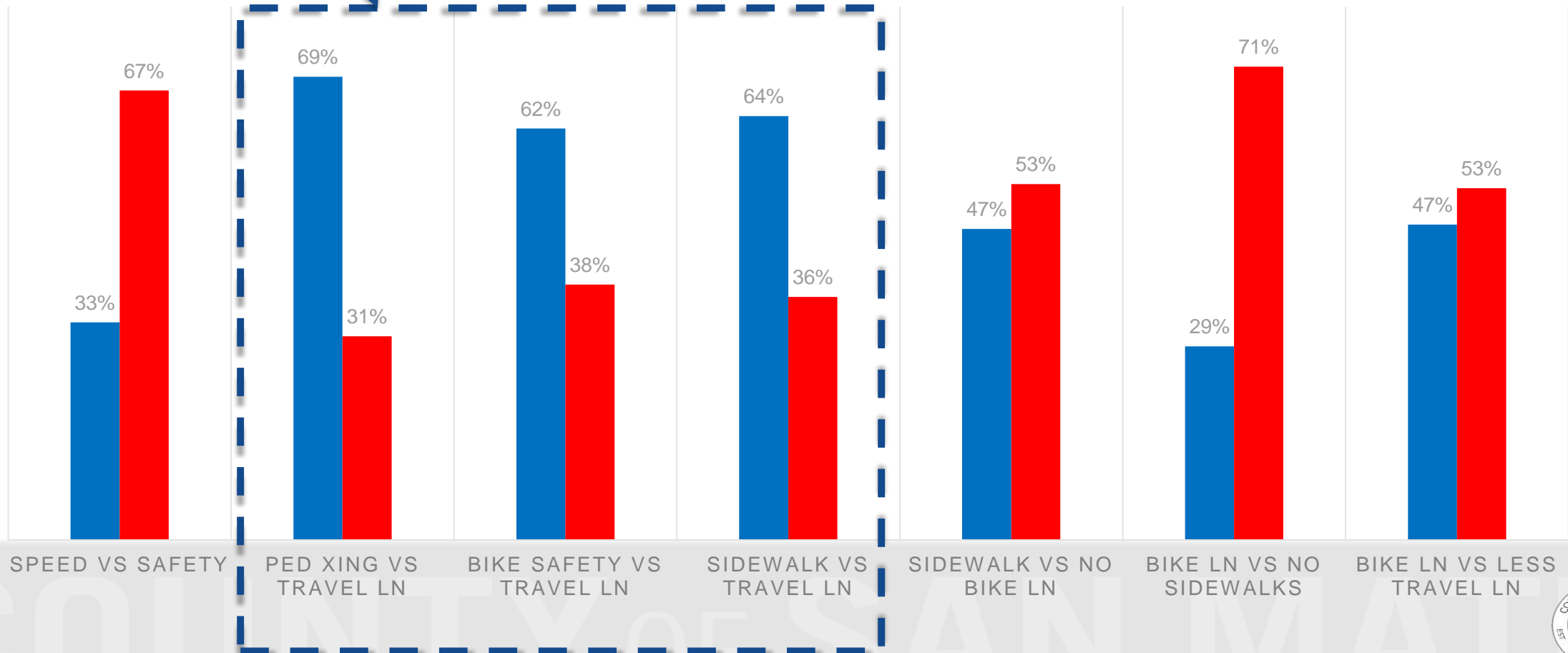
Residents expressed strong preferences for pedestrian enhancements, safer traffic flow and improved sidewalks



Residents consistently willing to reduce a traffic travel lane to achieve safety objectives

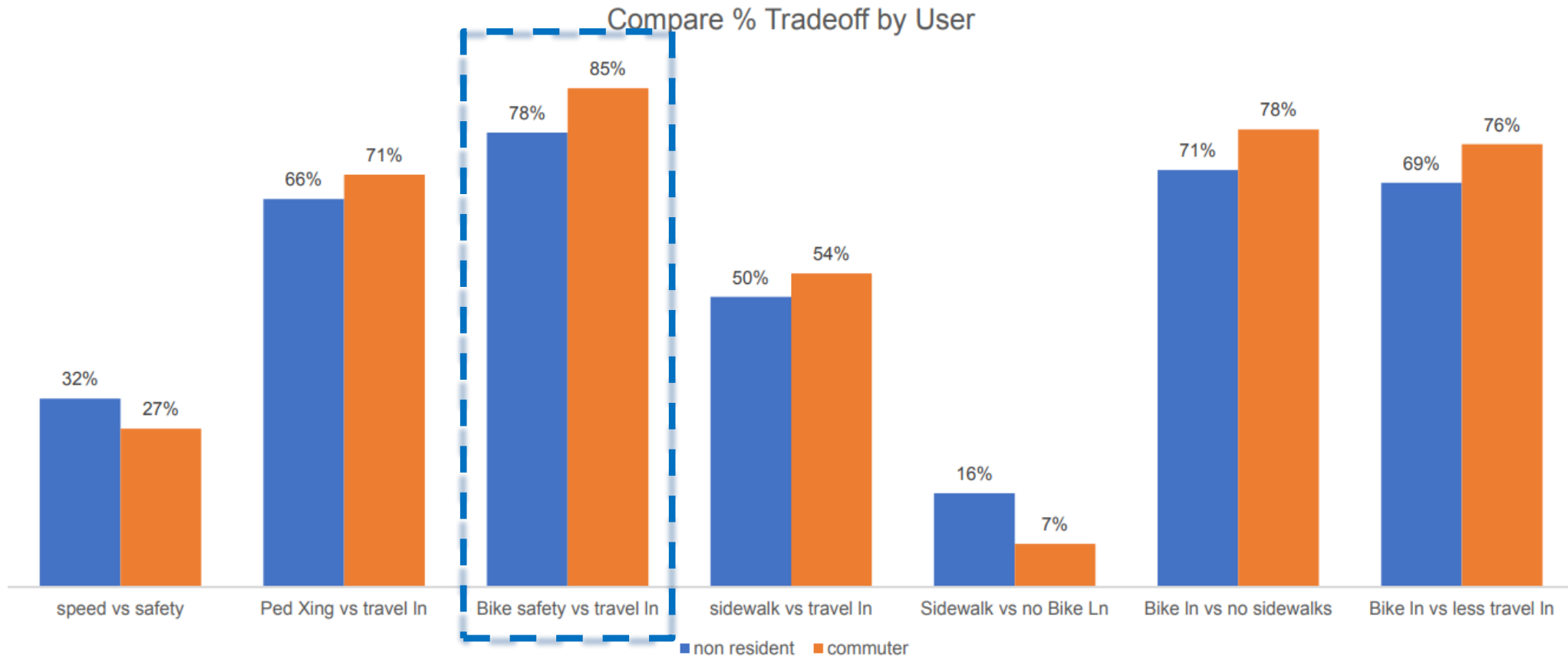
% RESIDENTS WHO AGREE WITH CHANGE

■ agree ■ disagree



Non-Residents and Commuters - Results

- When asked to trade-off competing improvements to account for existing roadway boundaries, both groups prioritized bike lanes over all other enhancements. (Q12)



The Challenge & Next Steps

- 🔗 A clear expression of priorities for improved safety across all constituencies, although priorities differed by group
- 🔗 A fixed width of roadway and an inability to accommodate ALL of the desired improvements without removing one or more traffic lanes
- 🔗 The Task Force has spent 18 months distilling the options to FOUR, including “doing nothing”. These options will shortly be presented and explained by DPW and their expert consultants
- 🔗 As a Task Force, we want you to understand and study these options and then provide us with your preferences for next steps and action

Presentation of Technical Alternatives

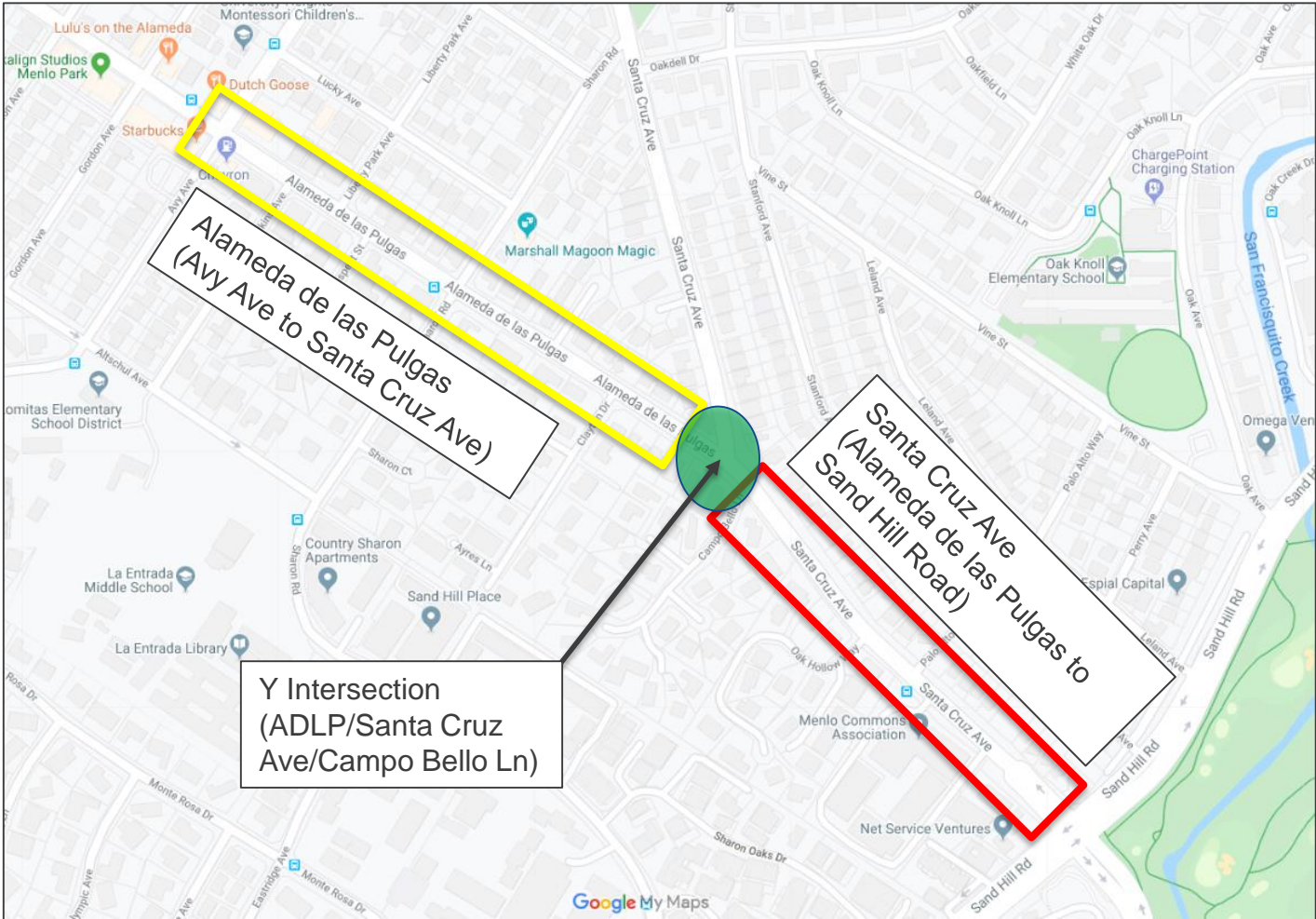
Adam Dankberg, Kimley Horn Associates



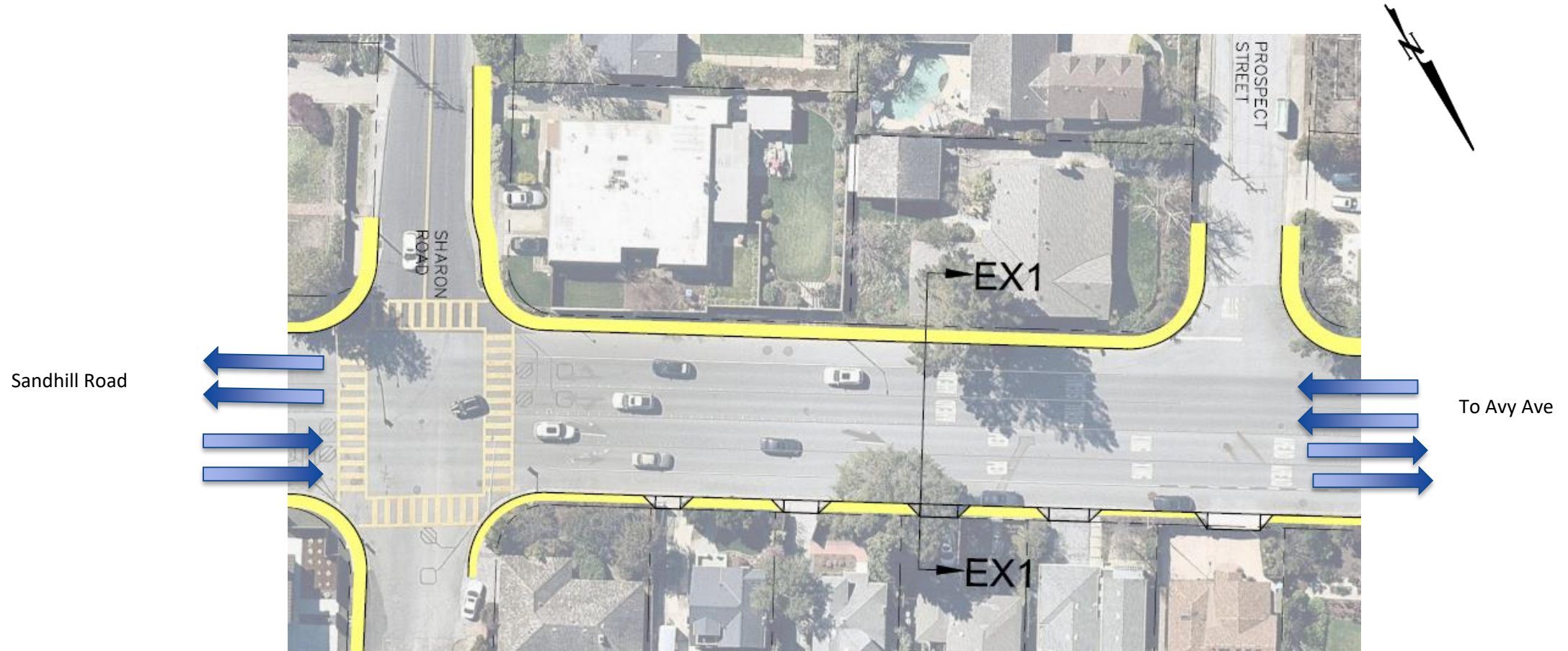
Technical Presentation Agenda

- Alameda de las Pulgas Section Concept
 - 1 Road Diet Alternative
- Santa Cruz Avenue Section Concepts
 - 3 Configuration Alternatives
- Y Intersection Concepts
 - 3 Configuration Alternatives
- Traffic Operations Analysis
 - Travel times, Queuing, Signal Phasing

Corridor Design Alternatives

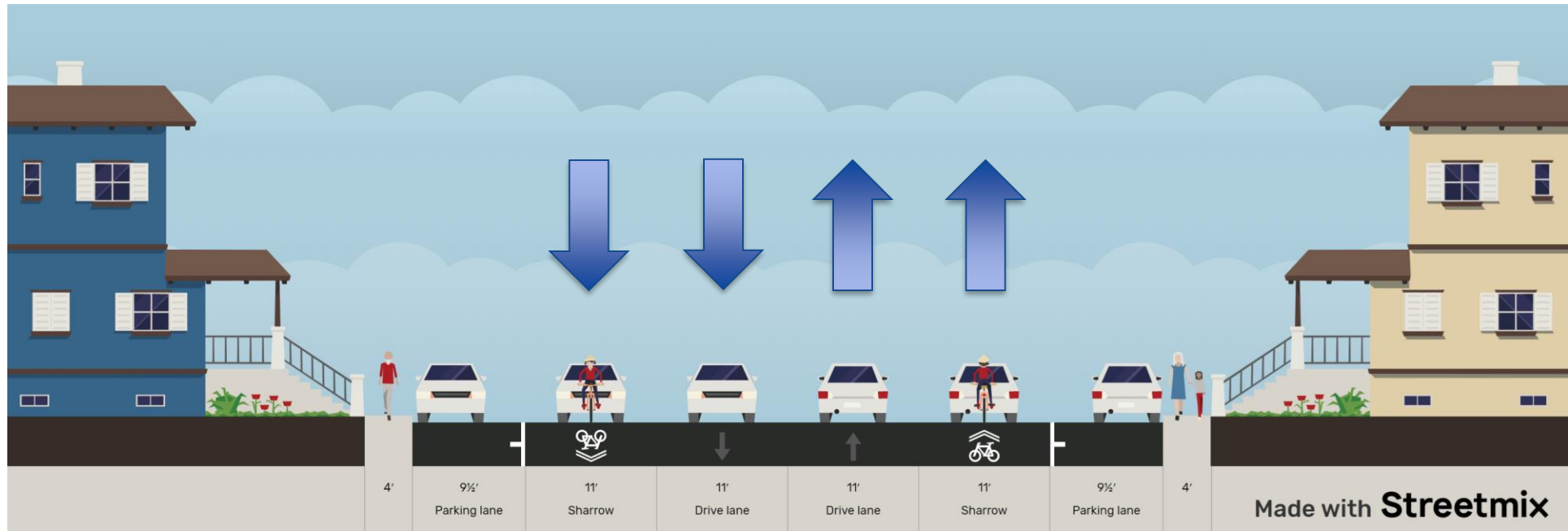


ADLP- Avy to Santa Cruz – Existing



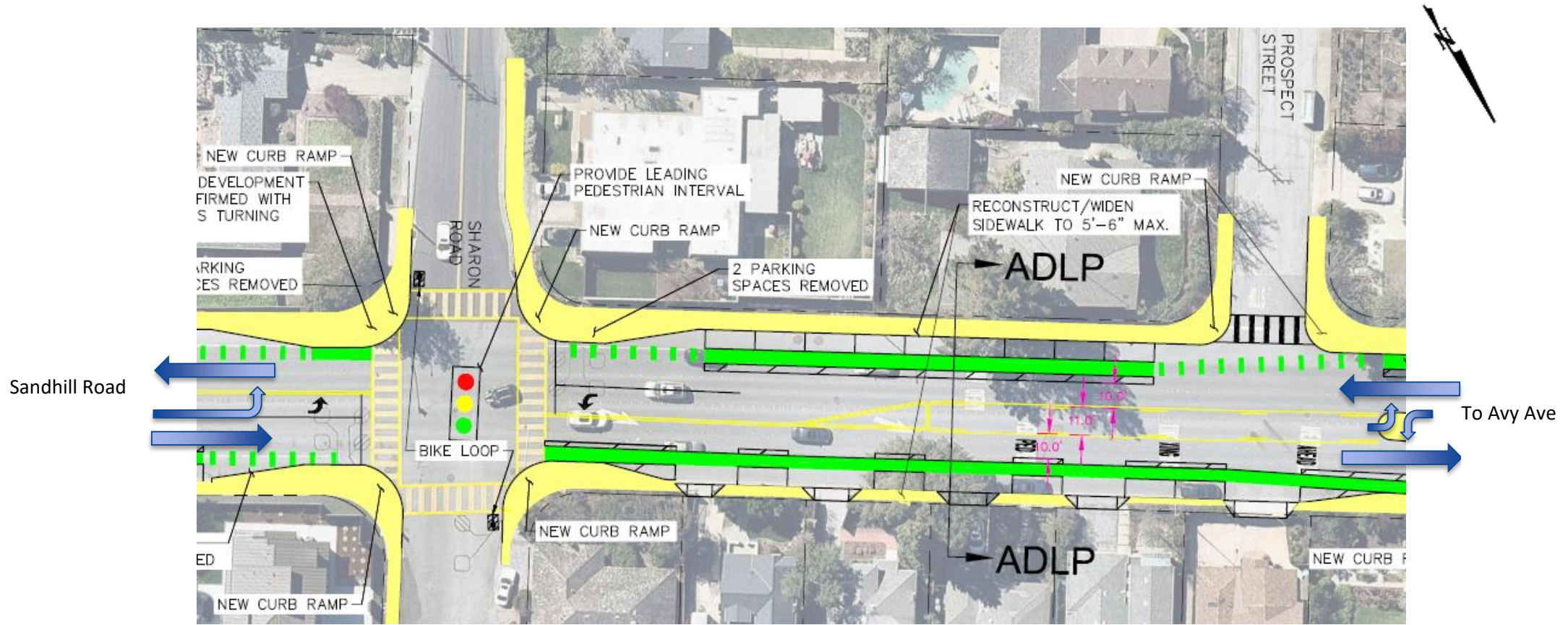
Between Sharon Road and Prospect Street

ADLP- Avy to Santa Cruz – Existing



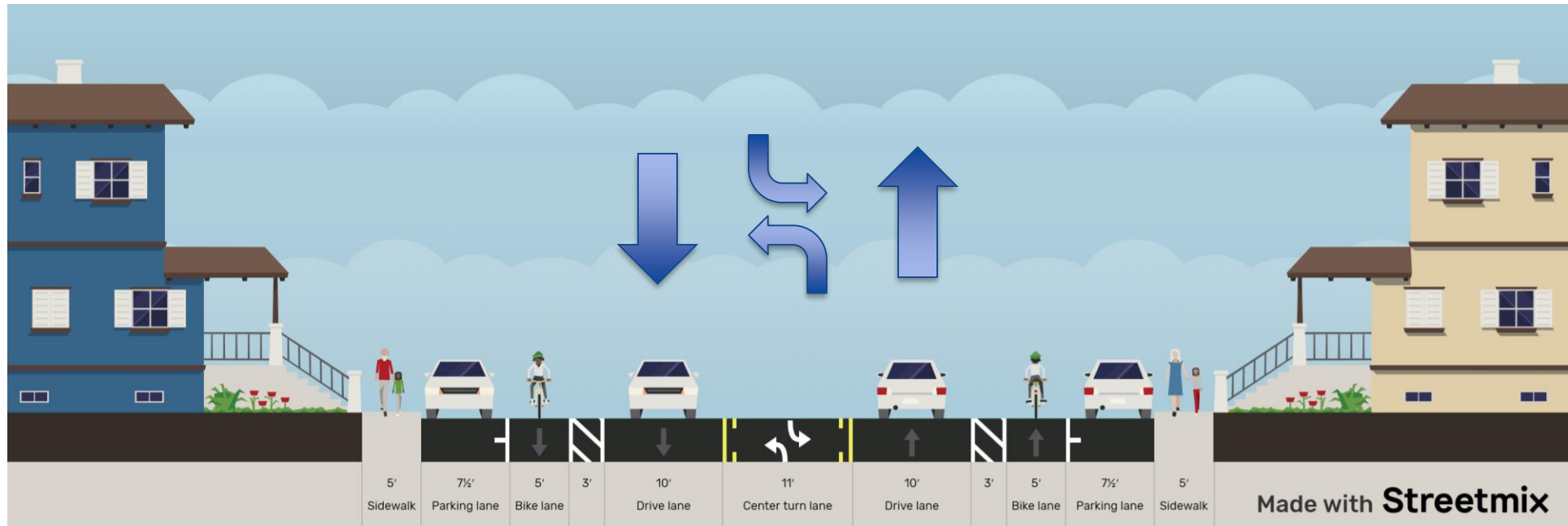
Between Sharon Road and Prospect Street Looking Towards Avy Avenue

ADLP- Avy to Santa Cruz – Road Diet



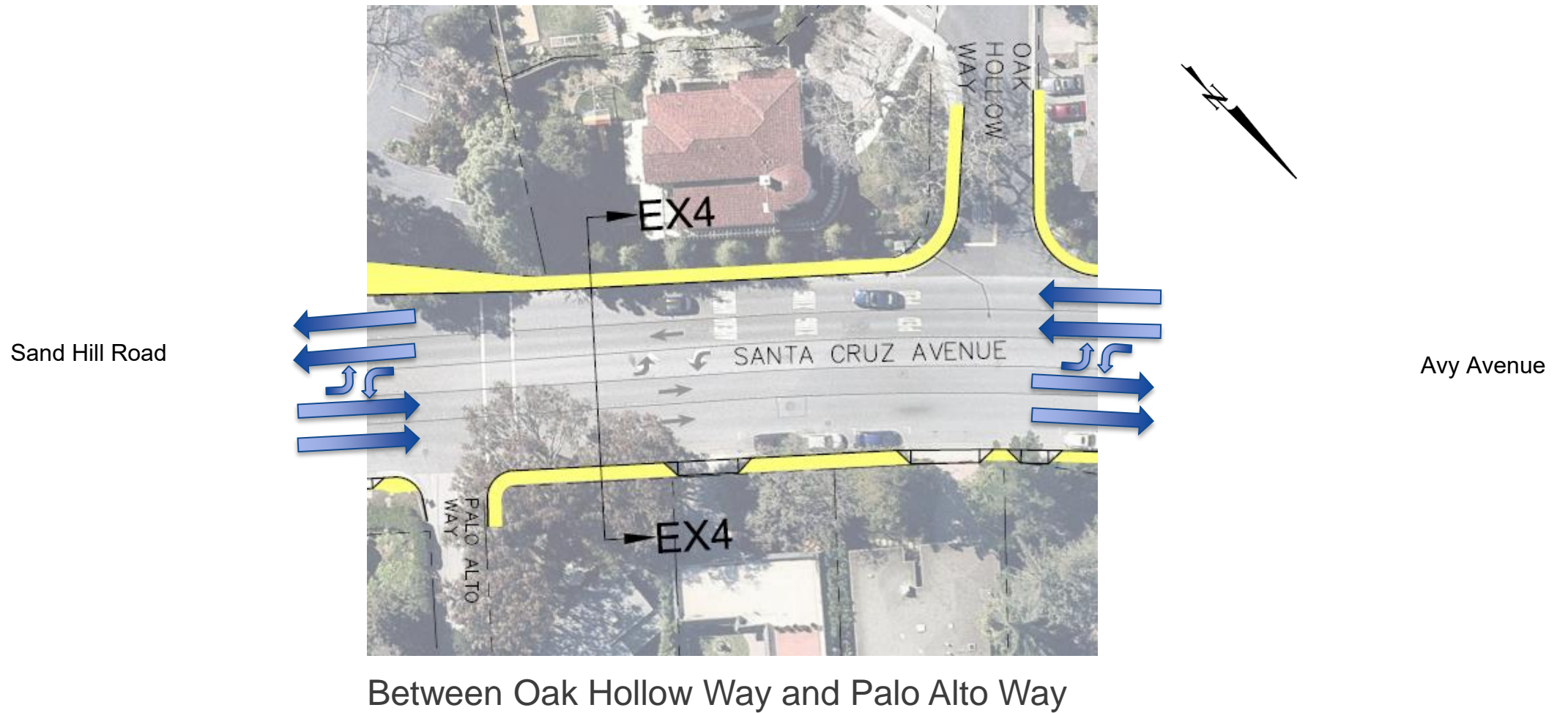
Between Sharon Road and Prospect Street

ADLP- Avy to Santa Cruz – Road Diet

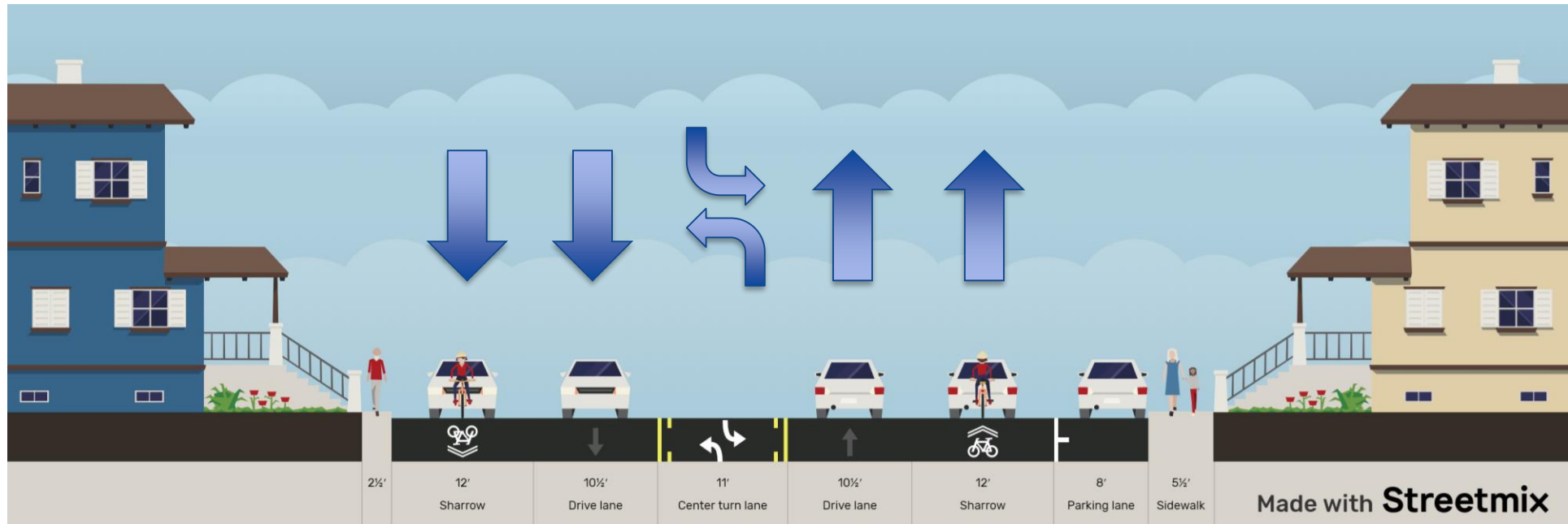


Between Sharon Road and Prospect Street Looking Towards Avy Avenue

Santa Cruz – ADLP to Sand Hill Road – Existing



Santa Cruz – ADLP to Sand Hill Road – Existing

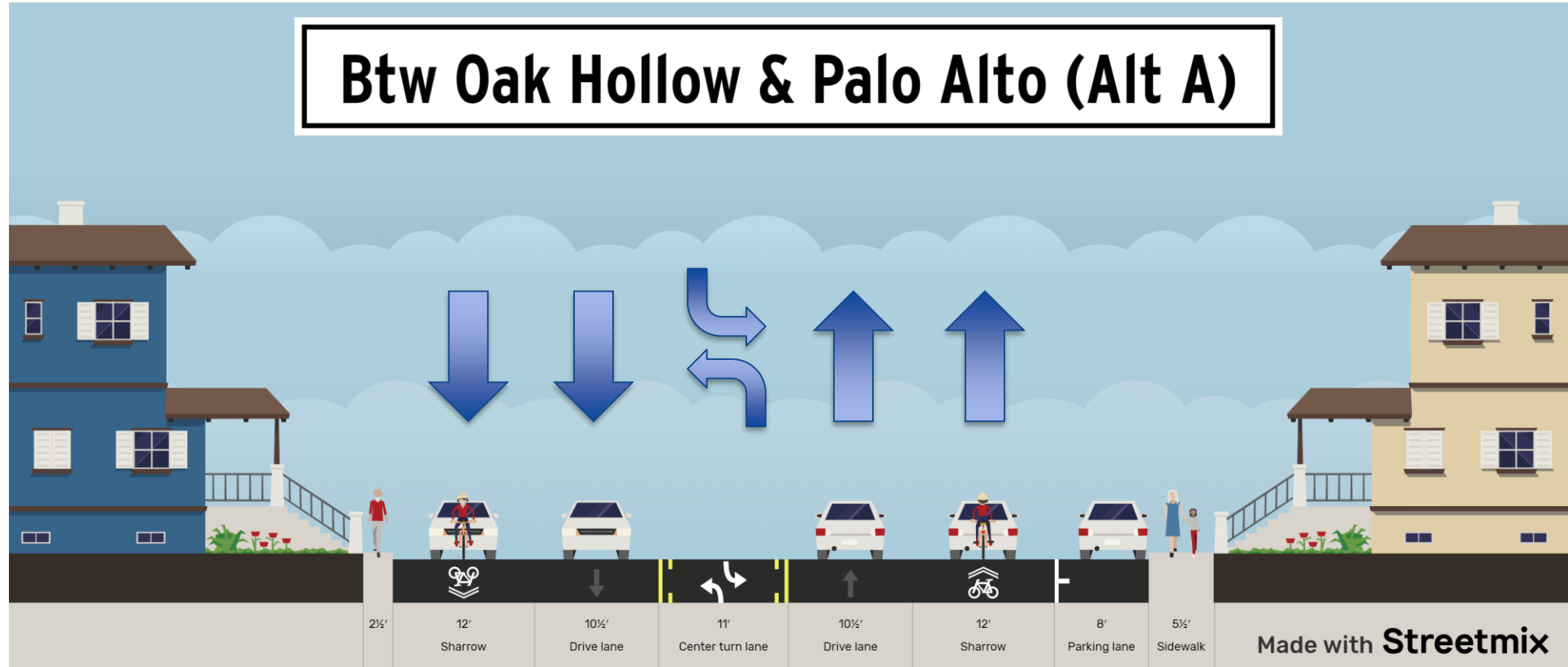


Between Oak Hollow and Palo Alto
Looking towards Alameda de Las Pulgas

Santa Cruz – ADLP to Sand Hill Road – Alt A

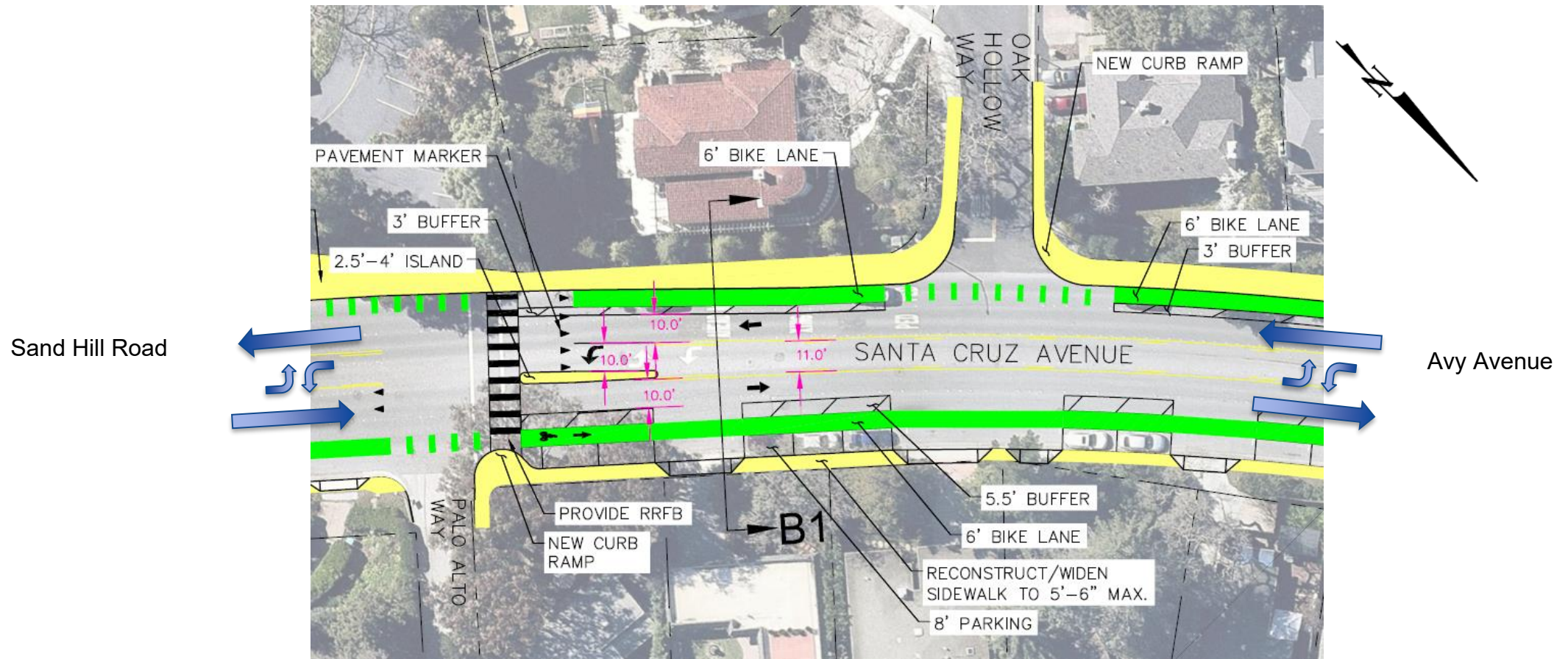


Santa Cruz – ADLP to Sand Hill Road – Alt A



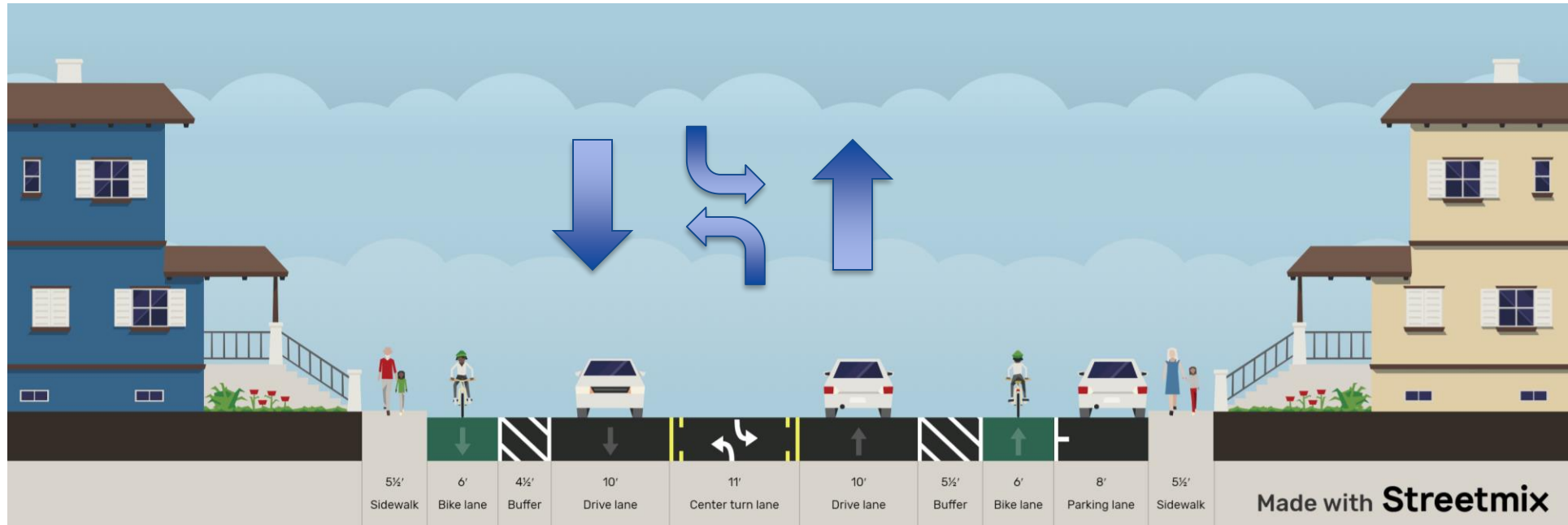
Between Oak Hollow and Palo Alto
Looking towards Alameda de Las Pulgas

Santa Cruz – ADLP to Sand Hill Road – Alt B



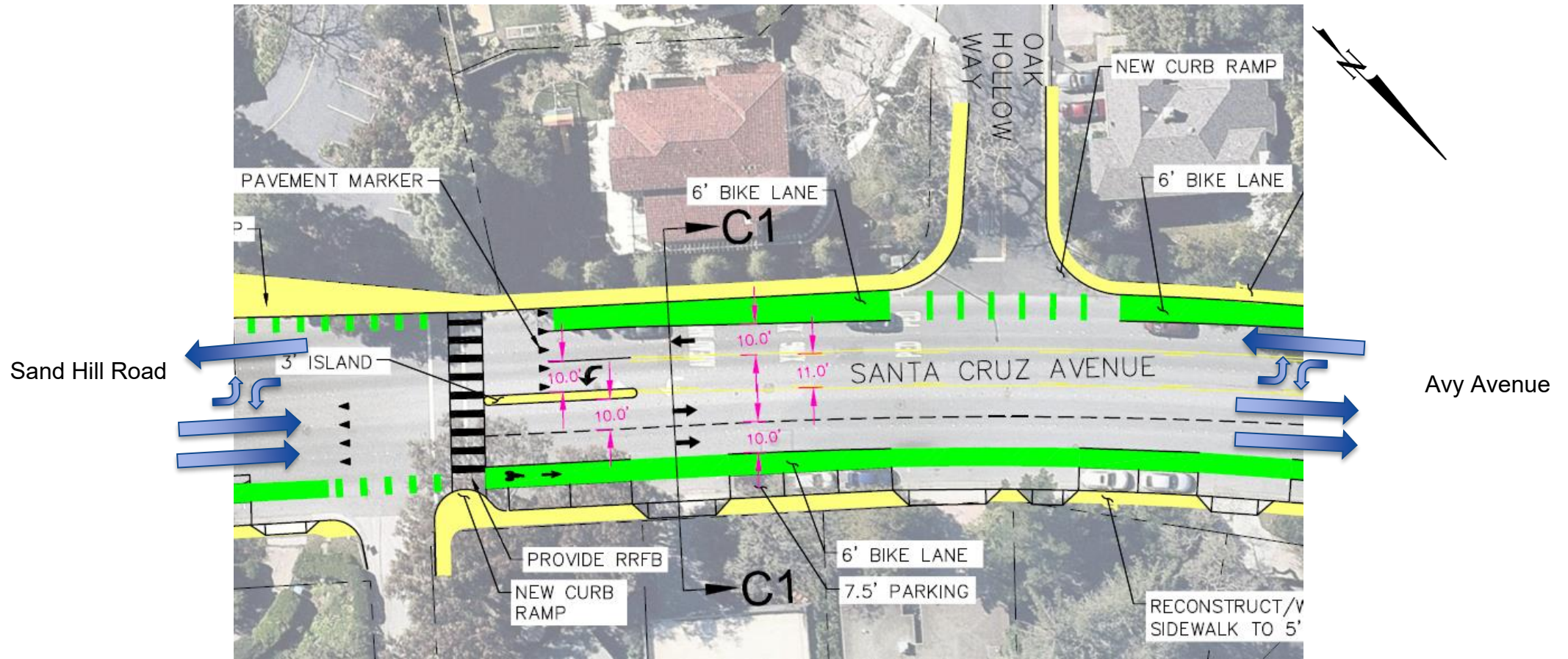
Between Oak Hollow Way and Palo Alto Way

Santa Cruz – ADLP to Sand Hill Road – Alt B



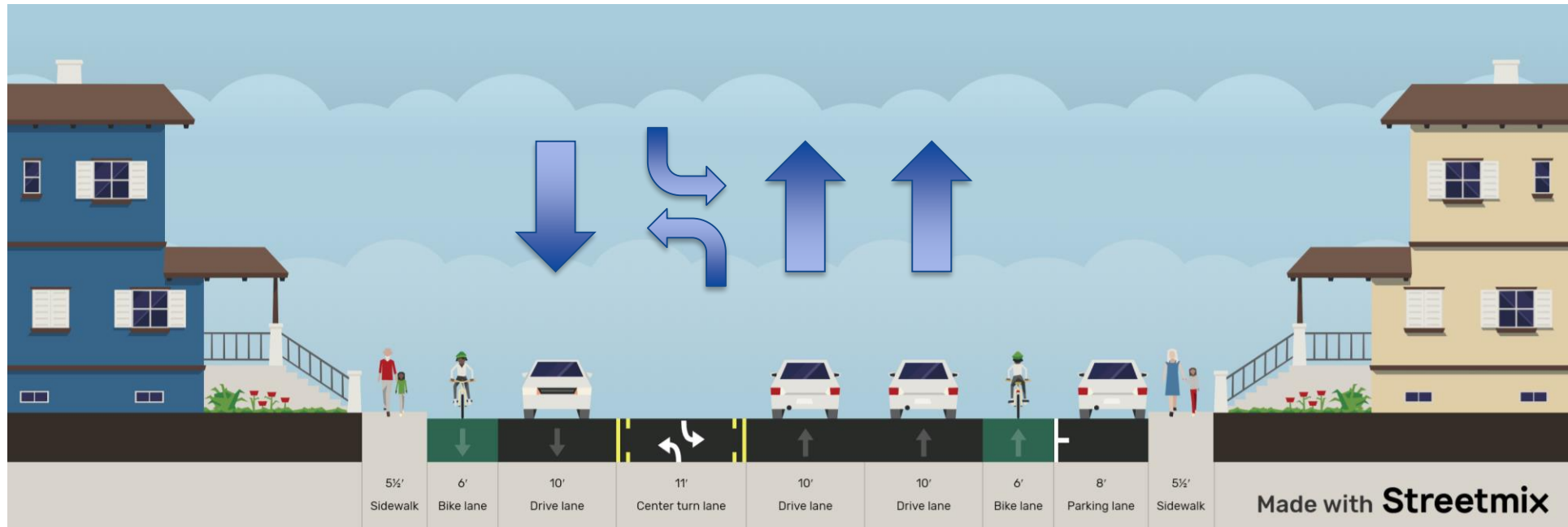
Between Oak Hollow and Palo Alto
Looking towards Alameda de Las Pulgas

Santa Cruz – ADLP to Sand Hill Road – Alt C



Between Oak Hollow Way and Palo Alto Way

Santa Cruz – ADLP to Sand Hill Road – Alt C

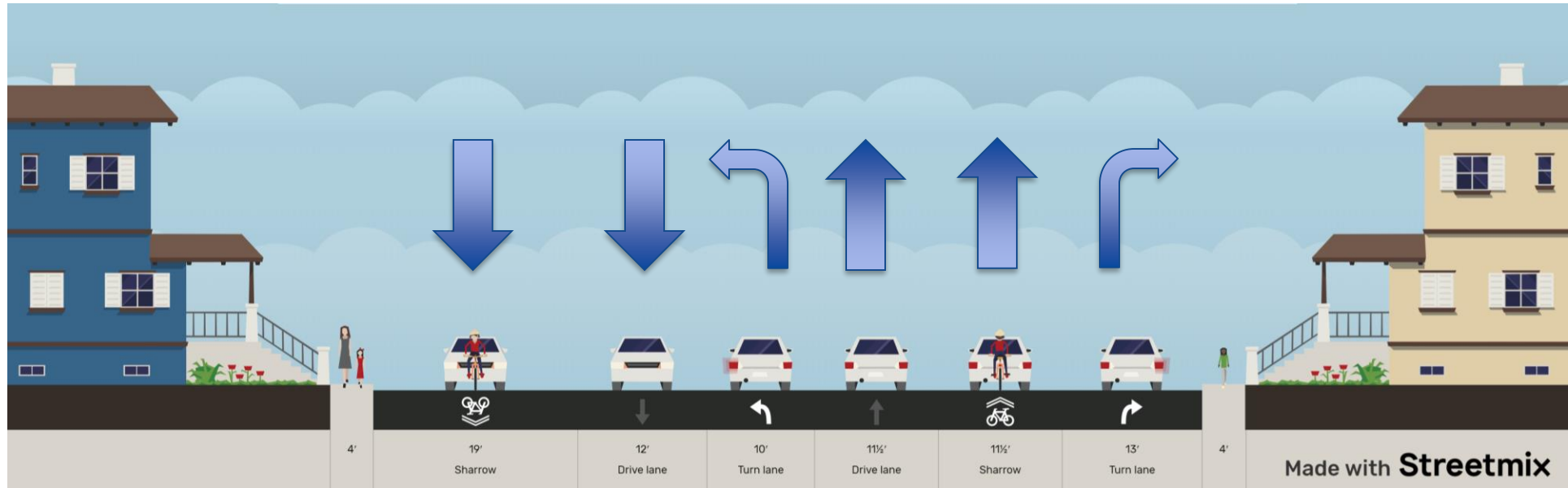


Between Oak Hollow and Palo Alto
Looking towards Alameda de Las Pulgas

Santa Cruz & ADLP “Y” Intersection – 2018 Conditions

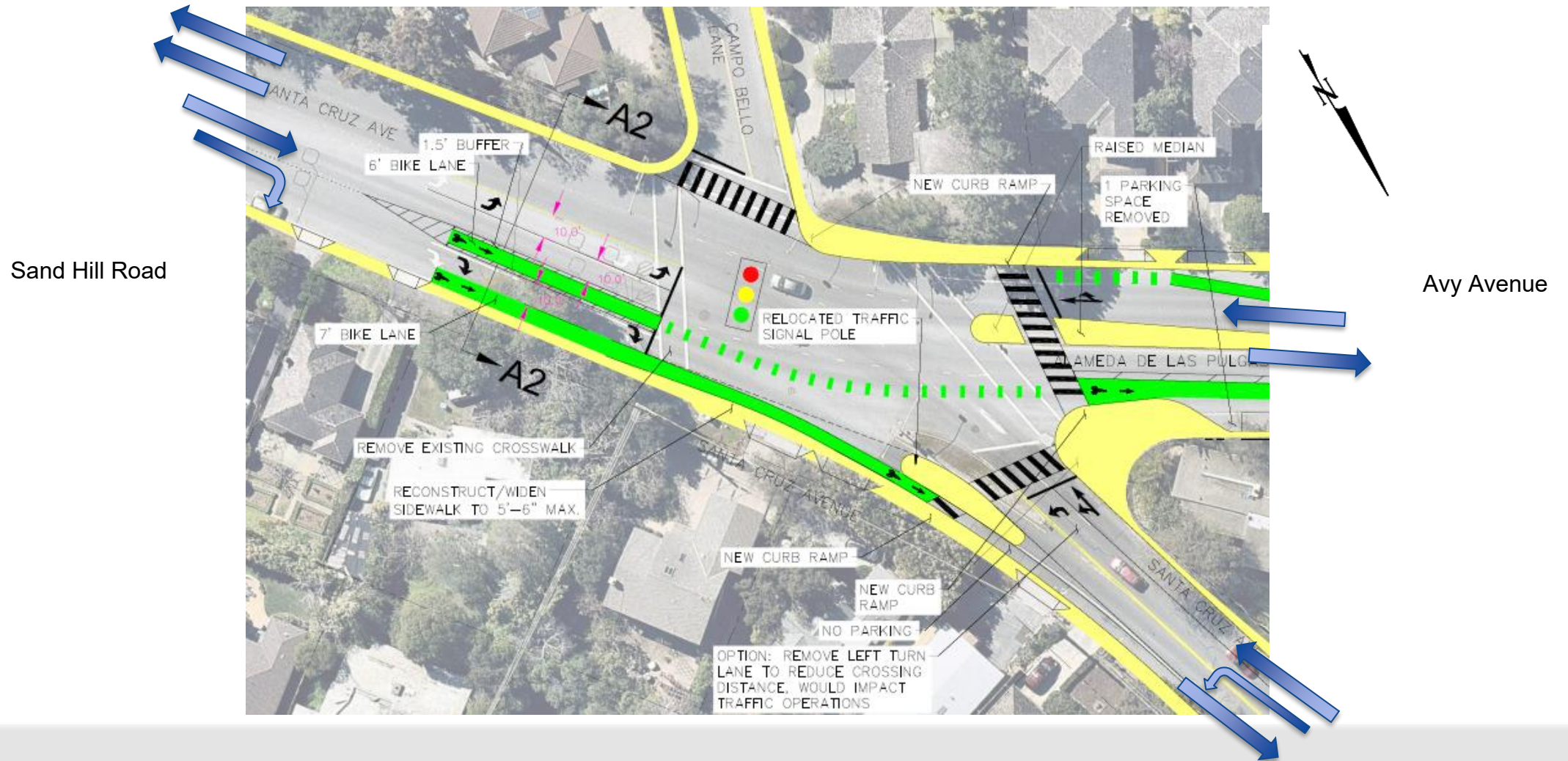


Santa Cruz & ADLP “Y” Intersection – 2018 Conditions

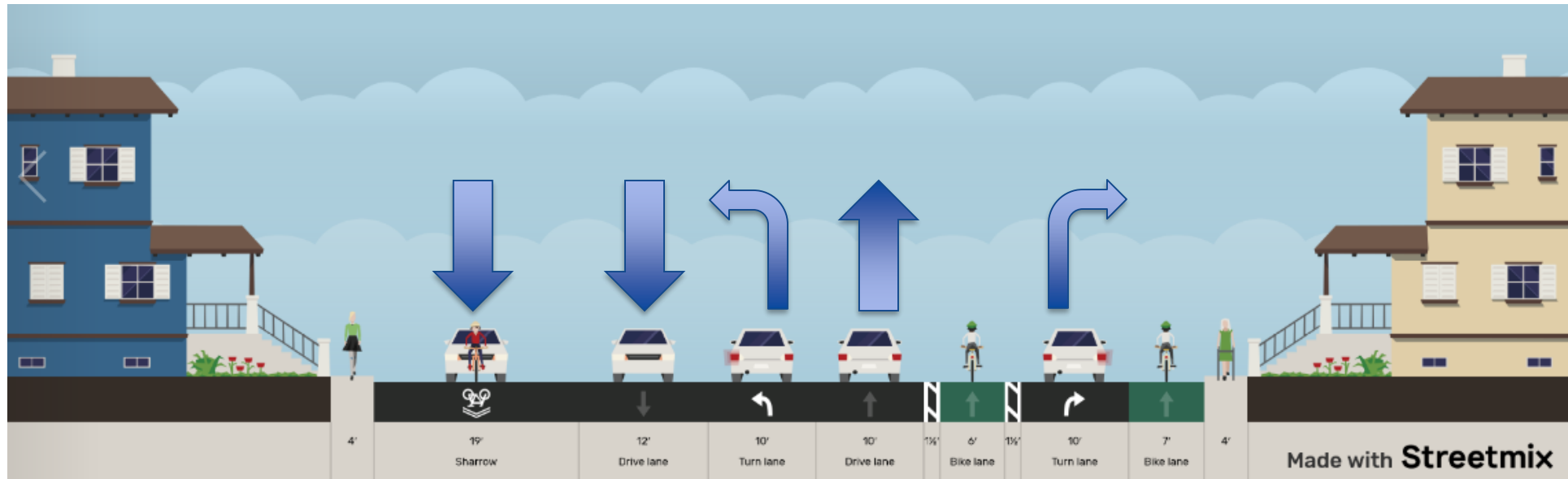


Santa Cruz Looking towards the “Y” from Sand Hill Road

Santa Cruz & ADLP “Y” Intersection – Alt A

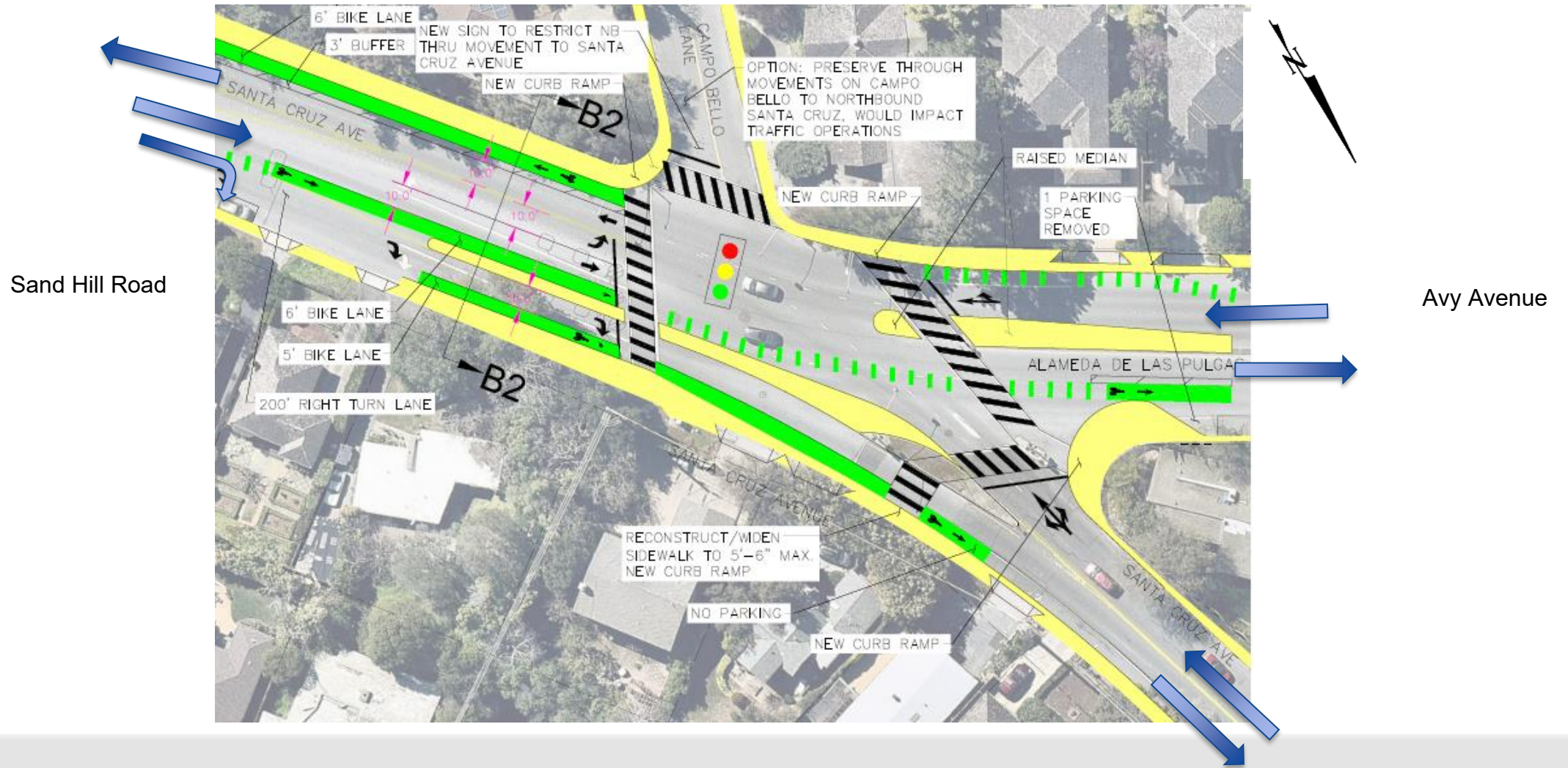


Santa Cruz & ADLP “Y” Intersection – Alt A

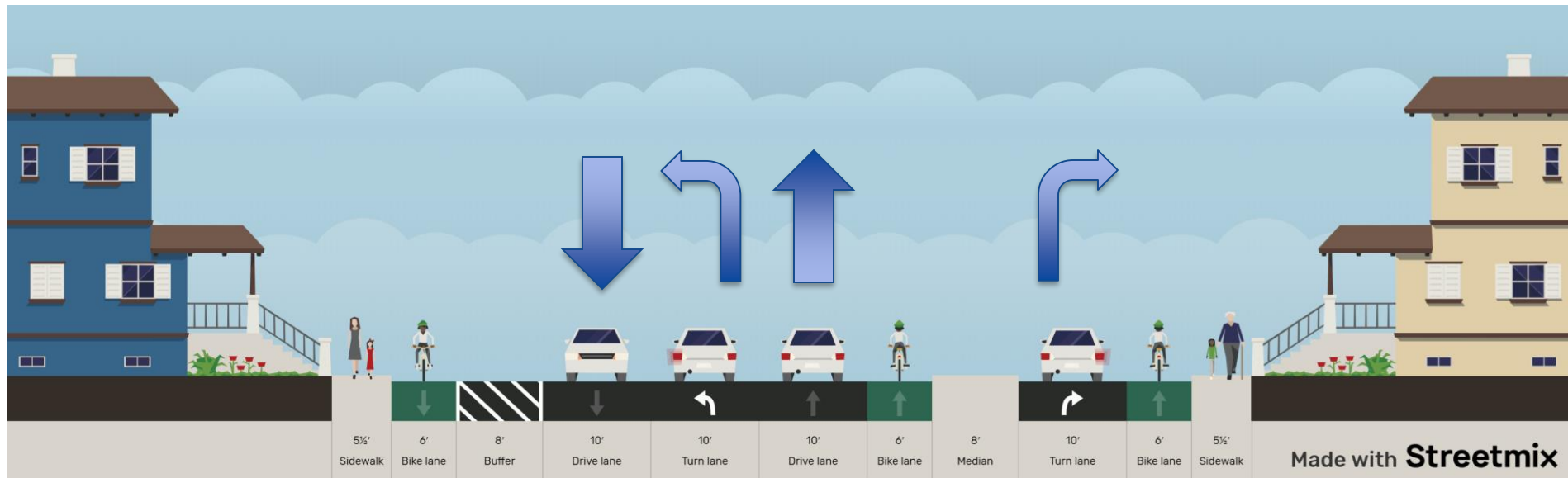


Santa Cruz Looking towards the “Y” from Sand Hill Road

Santa Cruz & ADLP "Y" Intersection – Alt B



Santa Cruz & ADLP “Y” Intersection – Alt B

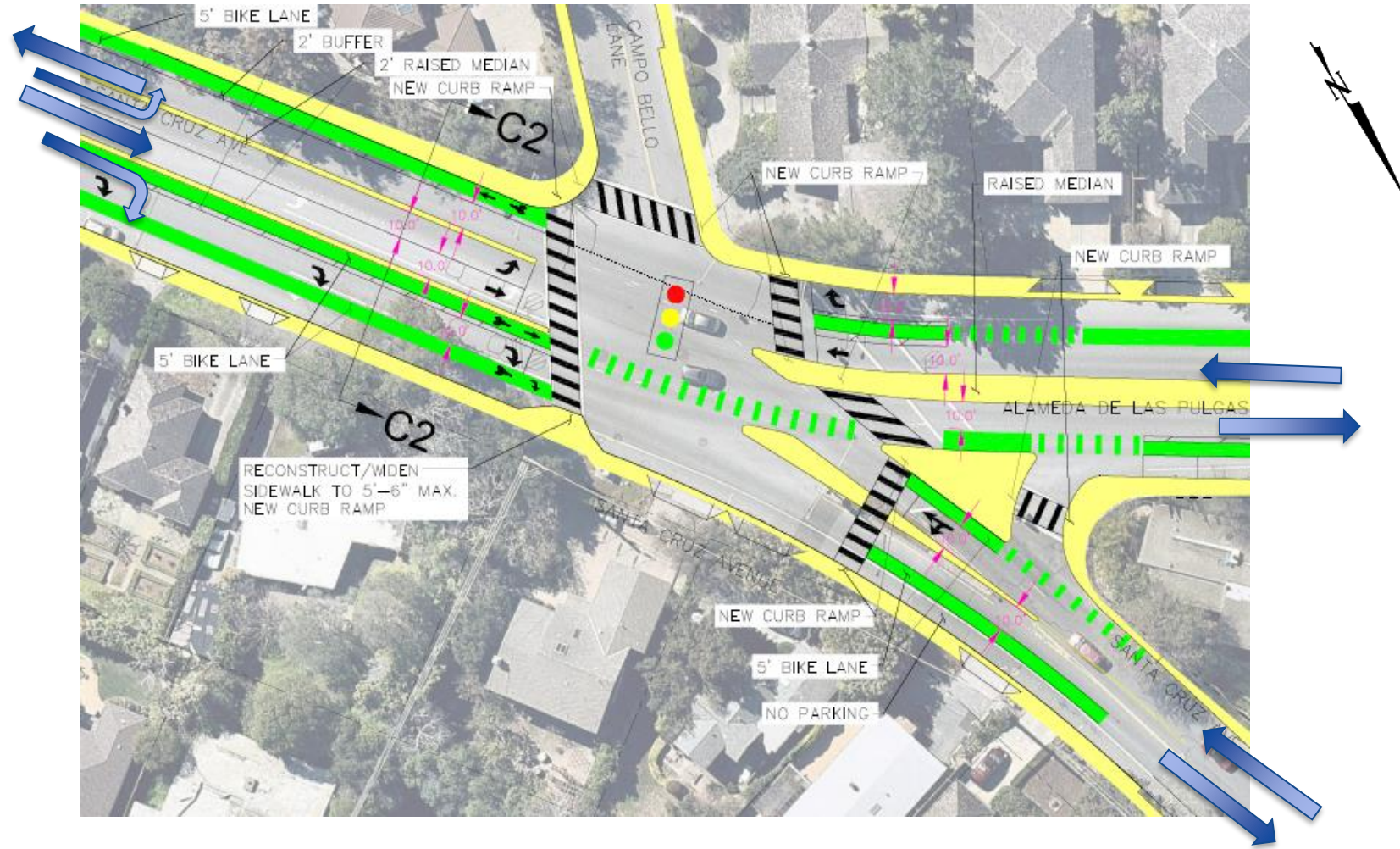


Santa Cruz Looking towards the “Y” from Sand Hill Road

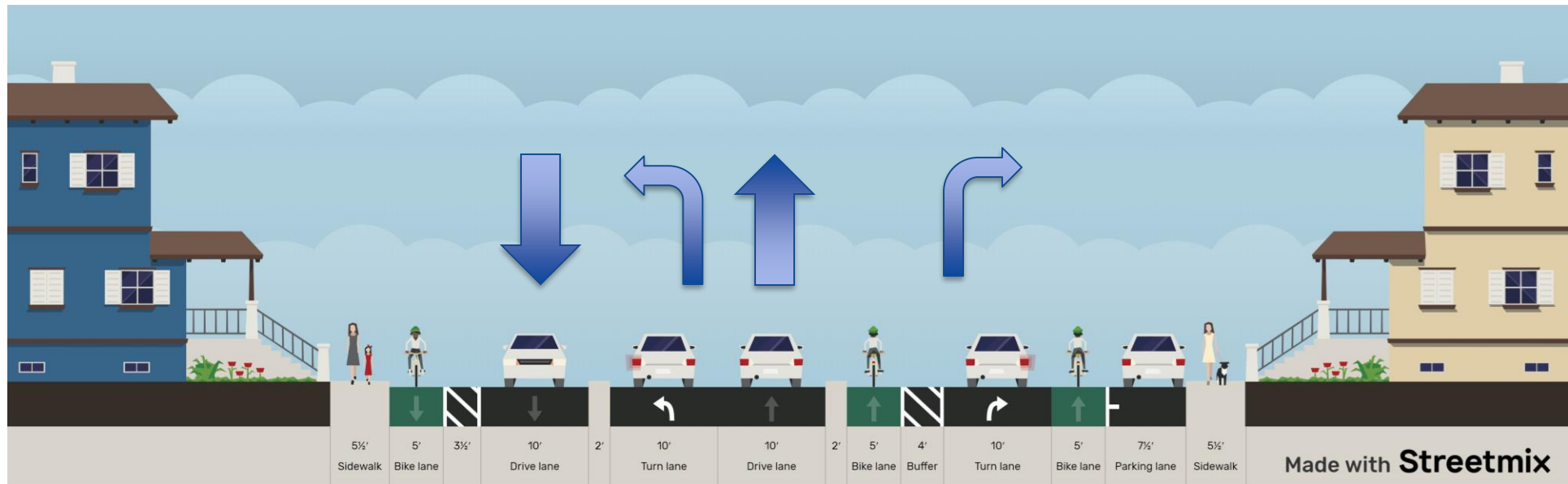
Santa Cruz & ADLP "Y" Intersection – Alt C

Sand Hill Road

Avy Avenue



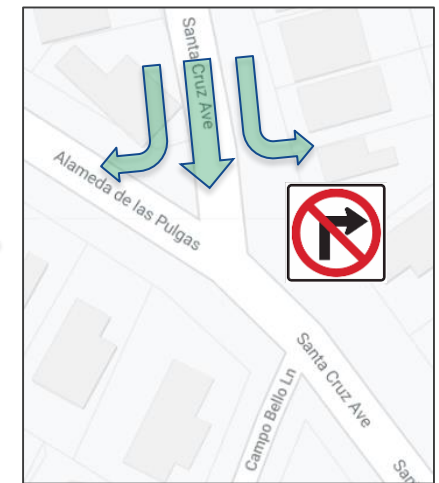
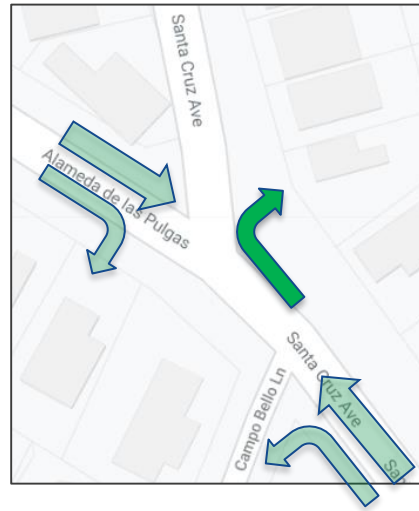
Santa Cruz & ADLP “Y” Intersection – Alt C



Santa Cruz Looking towards the “Y” from Sand Hill Road

“Y” Intersection – Right Turn Signal to Downtown Menlo Park

- Current Phase Plan (No Right Turn On Red)



Right Turn towards
Downtown Menlo Park

Right Turn OK

No Right Turn

No Right Turn

“Y” Intersection – Right Turn Signal to Downtown Menlo Park

- Phasing Plan 1 - No Right Turn on Red with new crosswalk

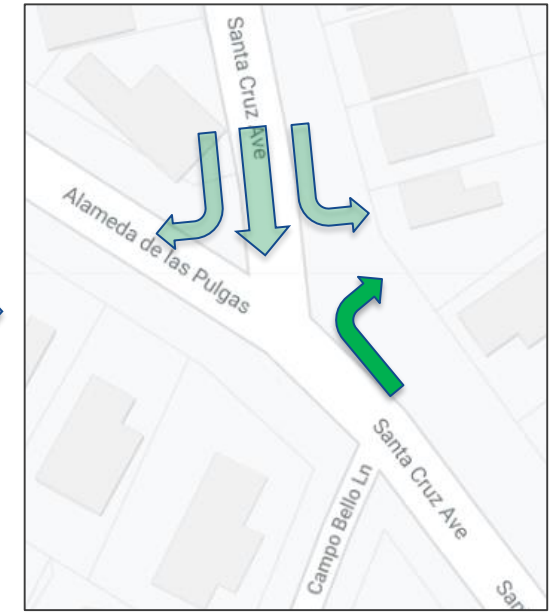
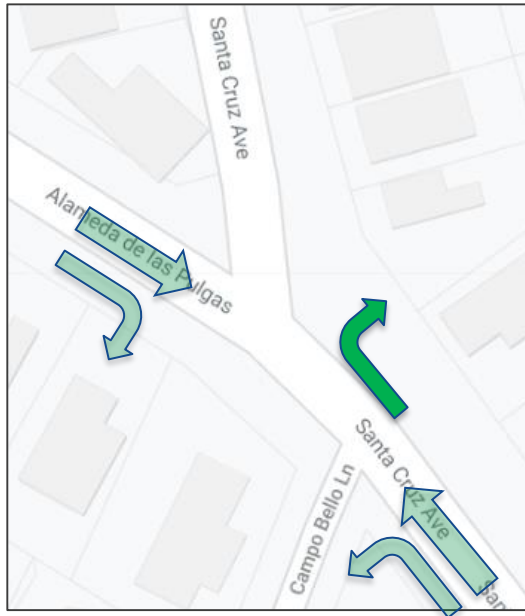


Right Turn towards Downtown Menlo Park	No Right Turn	No Right Turn	Right Turn OK
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“Y” Intersection – Right Turn Signal to Downtown Menlo Park

- Phasing Plan 2 - Previous (2018)

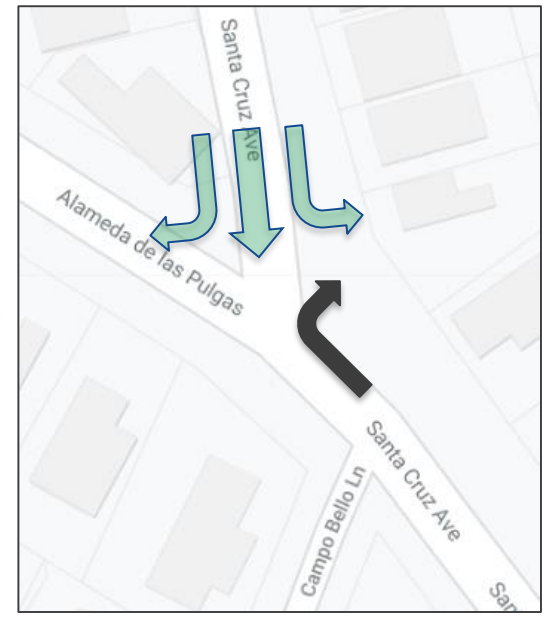
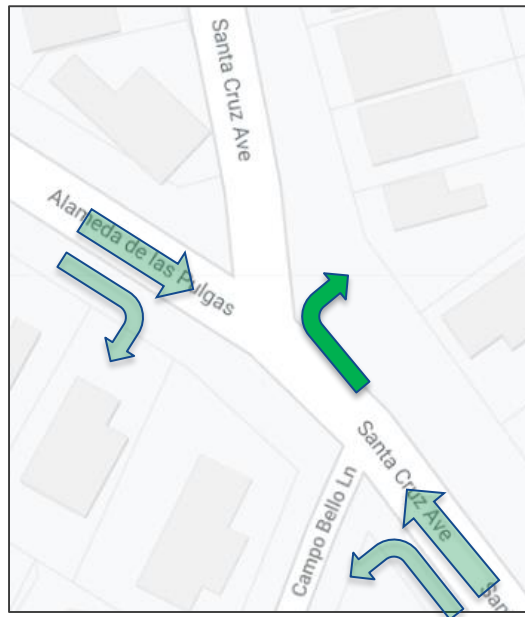


Right Turn towards Downtown Menlo Park	Right Turn OK	Right Turn after Complete Stop if Clear	Right Turn OK
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“Y” Intersection – Right Turn Signal to Downtown Menlo Park

- Phasing Plan 3 - Right Turn on Red OK after Complete Stop if Clear



Right Turn towards Downtown Menlo Park	Right Turn OK	Right Turn after Complete Stop if Clear	Right Turn after Complete Stop if Clear
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Travel Time Forecast (Existing Volumes)

Forecast Average Travel Time - 5:00 PM to 6:00 PM (Existing Volumes)			
Travel Time Route	No Build (min:sec)	Alt A	Alt B
1: Santa Cruz Ave NB*	01:30	+ 2 seconds	+ 2 seconds
2: Santa Cruz Ave SB*	02:45	- 17 seconds	+ 38 seconds
3: Alameda de las Pulgas NB**	02:17	+ 24 seconds	+ 9 seconds
4: Alameda de las Pulgas SB**	02:41	+ 17 seconds	+ 51 seconds

*Santa Cruz Ave travel time is from the intersection of Sand Hill Rd/Santa Cruz Ave to the intersection of Sharon Rd/Santa Cruz Ave

**Alameda de las Pulgas travel time is from the intersection of Sand Hill Rd/Santa Cruz Ave to the intersection of Avy Ave/Alameda de las Pulgas



Travel Time Forecast (2030 Projected Volumes)

Forecast Average Travel Time - 5:00 PM to 6:00 PM (2030 Volumes)			
Travel Time Route	No Build (min:sec)	Alt A	Alt B
1: Santa Cruz Ave NB*	01:30	+ 1 second	+ 3 seconds
2: Santa Cruz Ave SB*	02:50	- 18 seconds	+ 145 seconds
3: Alameda de las Pulgas NB**	02:31	+ 15 seconds	- 5 seconds
4: Alameda de las Pulgas SB**	02:40	+ 19 seconds	+ 112 seconds

*Santa Cruz Ave travel time is from the intersection of Sand Hill Rd/Santa Cruz Ave to the intersection of Sharon Rd/Santa Cruz Ave

**Alameda de las Pulgas travel time is from the intersection of Sand Hill Rd/Santa Cruz Ave to the intersection of Avy Ave/Alameda de las Pulgas

Alternative C would operate similar to Alternative A in the northbound direction and Alternative B in the southbound direction

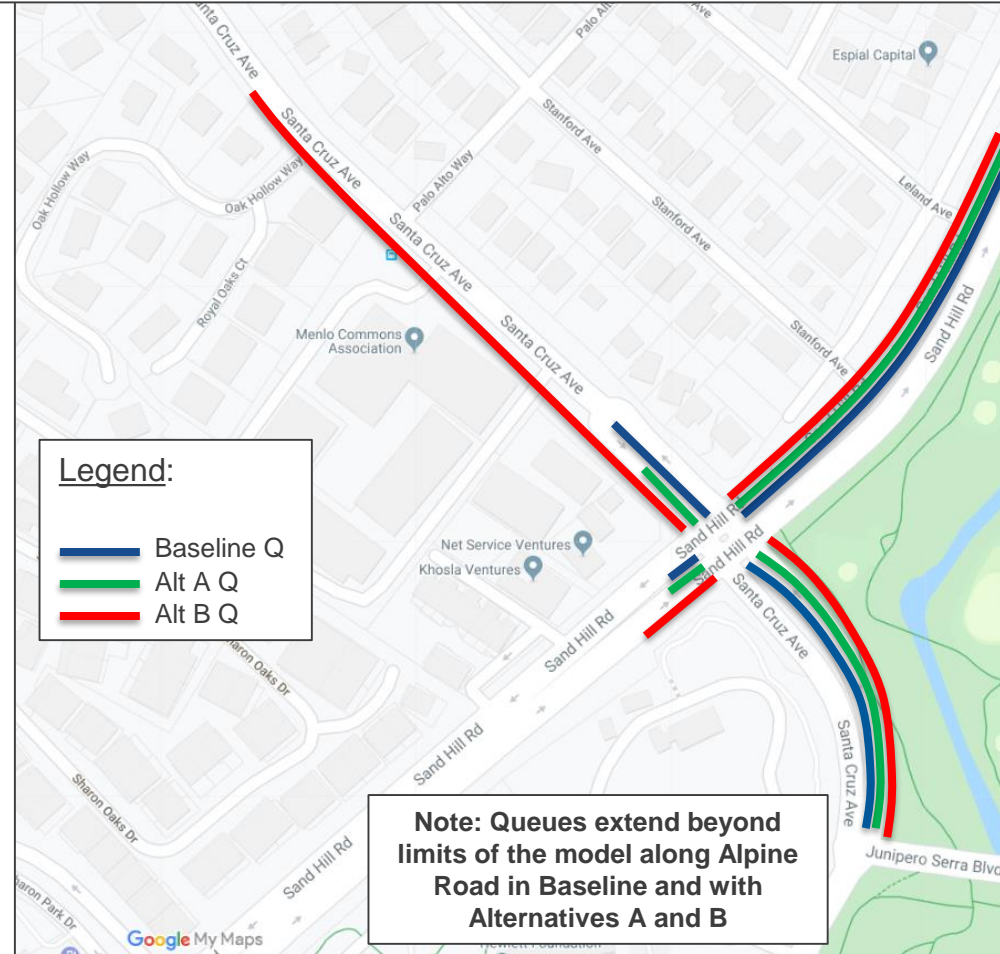
Queuing Forecast (Existing Volumes)

PM Average Queues (Existing Volumes) – Sand Hill Rd/Santa Cruz Ave

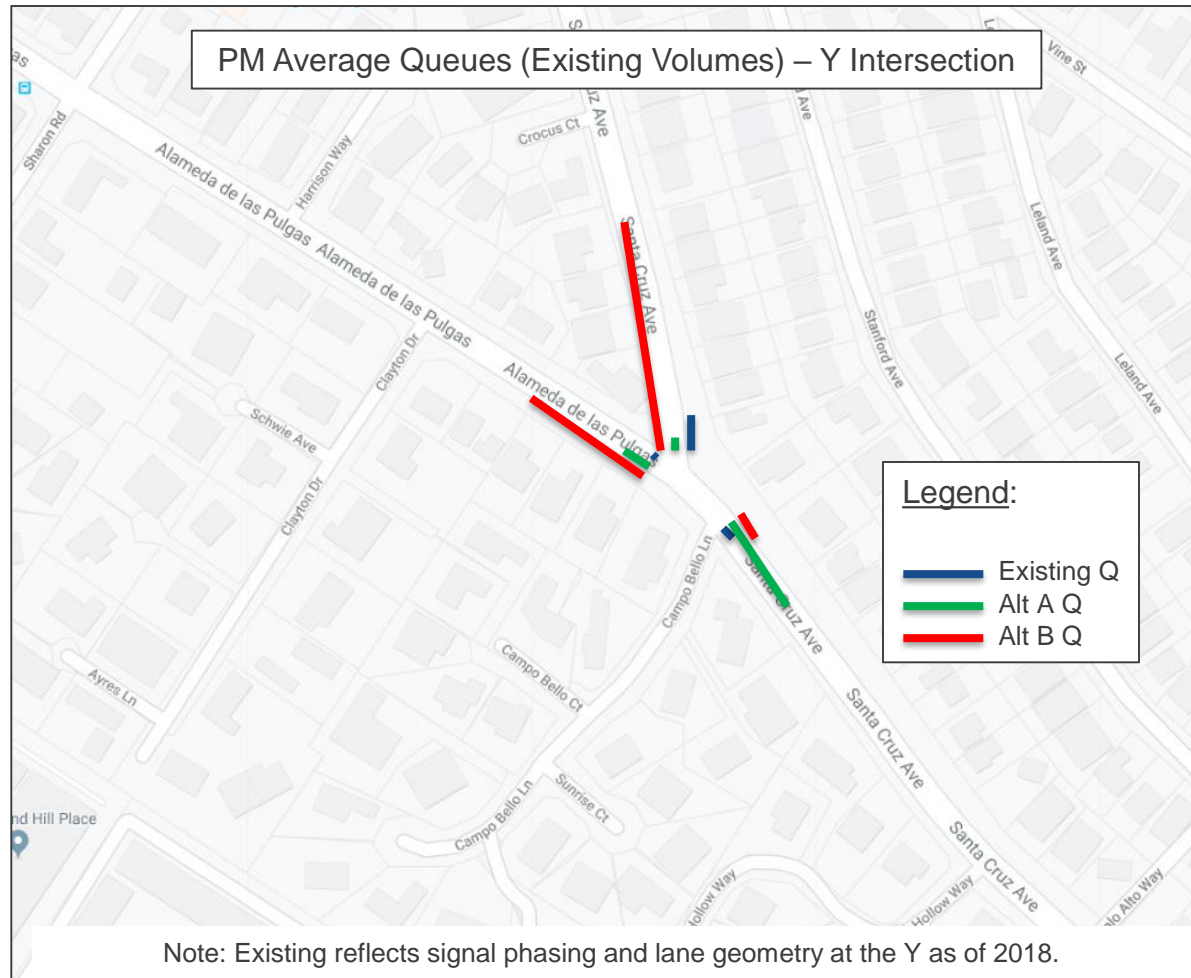


Queuing Forecast (2030 Volumes)

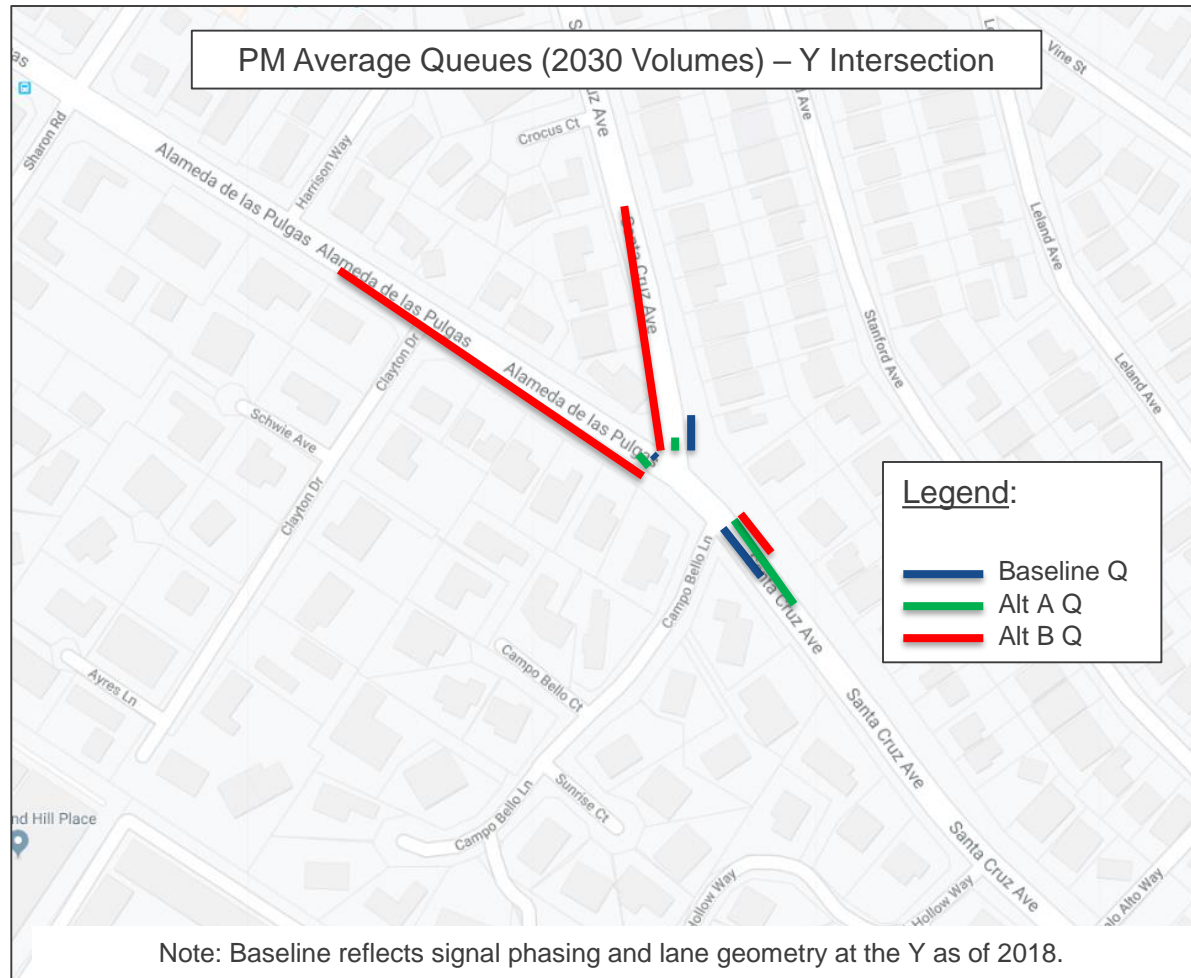
PM Average Queues (2030 Volumes) – Sand Hill Rd/Santa Cruz Ave



Queuing Forecast (Existing Volumes)



Queuing Forecast (2030 Volumes)



Travel Time Forecast

No Right Turn on Red at the Y

Forecast Average Travel Time - 5:00 PM to 6:00 PM (2030 Volumes)				
Travel Time Route	Alt A	Alt A with No Turn on Red	2030 with Alt B	Alt B with No Turn on Red
1: Santa Cruz Ave NB*	01:31	+ 14 seconds	01:33	+ 11 seconds

*Santa Cruz Ave travel time is from the intersection of Sand Hill Rd/Santa Cruz Ave to the intersection of Sharon Rd/Santa Cruz Ave



Queuing Forecast (Existing Volumes) No Right Turn on Red at the Y

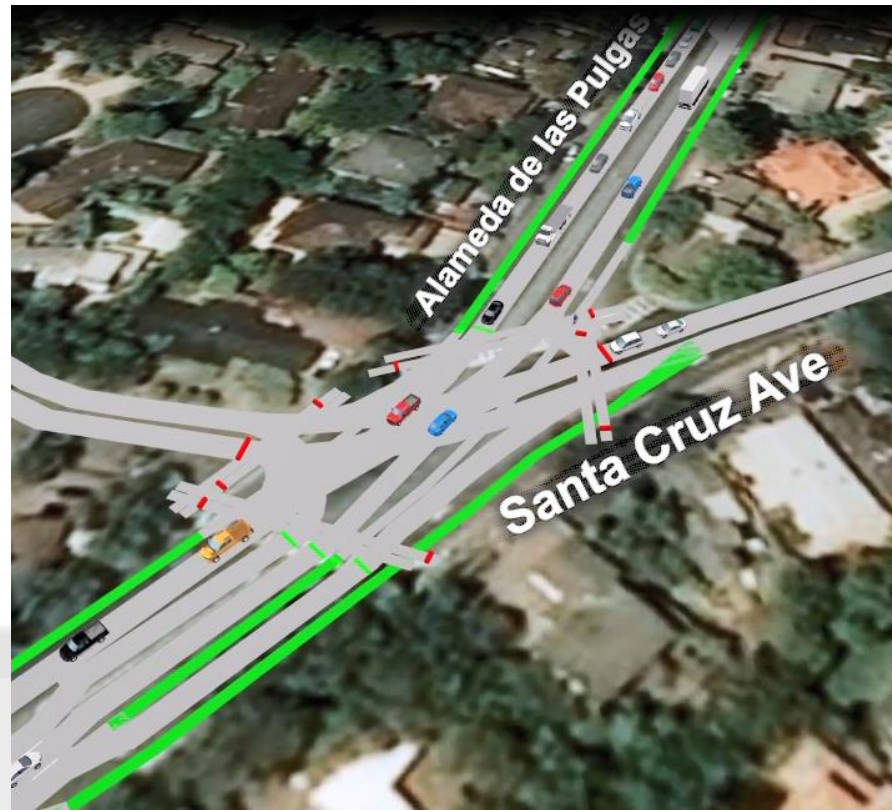


Queuing Forecast (2030 Volumes) No Right Turn on Red at the Y




Additional Information

- Full Conceptual Layouts for all Alternatives
- Micro-simulation Model for Alternatives A and B (Existing Volumes)



Questions and Answers

- Please fill out Q&A card for any questions to the Task Force

COUNTY OF SAN MATEO 

Santa Cruz Avenue and Alameda de las Pulgas Roadway Improvements

Location of Comment/Question:	Comment Card
<input type="checkbox"/> ADLP: Avy to Santa Cruz	Roadway Section:
<input type="checkbox"/> Santa Cruz: ADLP to Sand Hill	<input type="checkbox"/> Motor Vehicle Way
<input type="checkbox"/> The "Y" Intersection	<input type="checkbox"/> Bikeway
<input type="checkbox"/> General	<input type="checkbox"/> Sidewalk
	<input type="checkbox"/> Crosswalk
	<input type="checkbox"/> Other

Comment/Question: _____

Name: _____ Date: January 30, 2020

Address (Optional): _____

City/State/Zip Code (Optional): _____

Email (Optional): _____ Phone (Optional): _____



Breakout Session

Joseph LoCoco – San Mateo County Public Works Deputy Director – Roads Services



Question and Answer Session

Joseph LoCoco – San Mateo County Public Works Deputy Director – Roads Services
Adam Dankberg – Kimley Horn and Associates



Next Steps

Joseph LoCoco – San Mateo County Public Works Deputy Director – Roads Services



Community Survey – Alternative Preferences

- Survey will be posted online at
https://www.surveymonkey.com/r/SCA_ADLP
by end of the day on January 31, 2020
- Survey will be closed on February 23, 2020

Next Steps

- Collect community feedback on alternative preferences.....FEB 23, 2020
- Reconvene and review with Task Force..... MAR 2020
- Prepare Final Report.....APR 2020
- Request Board adoption of plan.....JUNE 2020



