



# Connect the Coastside

Moss Beach Transportation Improvement Evaluation

October 20, 2020



# Meeting Goals

- **Build connections** among key partners to support coordination between the Midcoast, San Mateo County and Caltrans
- **Gather input** to evaluate and inform proposed transportation improvements in the Connect the Coastside Plan
- **Identify critical constraints** to design feasibility and explore opportunities to overcome design constraints and facilitate implementation



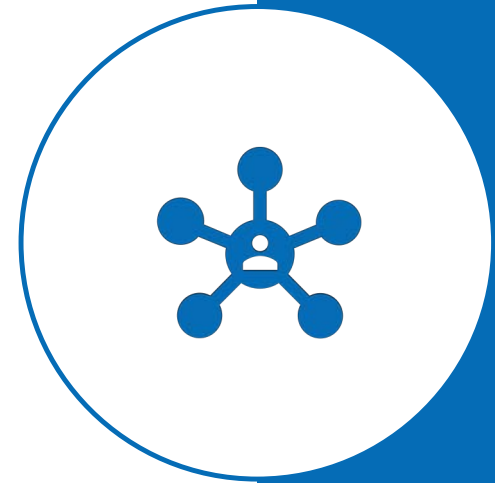
# Agenda

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- Introductions & ice breaker
- Plan Orientation
- **California Ave & Highway 1**
- **Cypress Ave & Highway 1**
- Break
- **Multimodal/Parallel Trail**
- Next Steps

# Introductions

- Name
- Agency, Role
- Favorite dessert





# Zoom Features

Participants (6)

KF	Katie Faulkner (Me)		
	Janneth Lujan (Host)		
AM	Angela Montes (Co-host)		
ED	Ellie Dallman (she/her) (Co-host)		
CS	C S		
J	jlaclair@smcgov.org		

Mute Stop Video Participants Chat Share Screen Reactions

Audio and video controls

View participants and raise hand

Invite Mute Me Raise Hand

# Group Agreements



Speak from your own  
experience



Listen for understanding



Respect differences

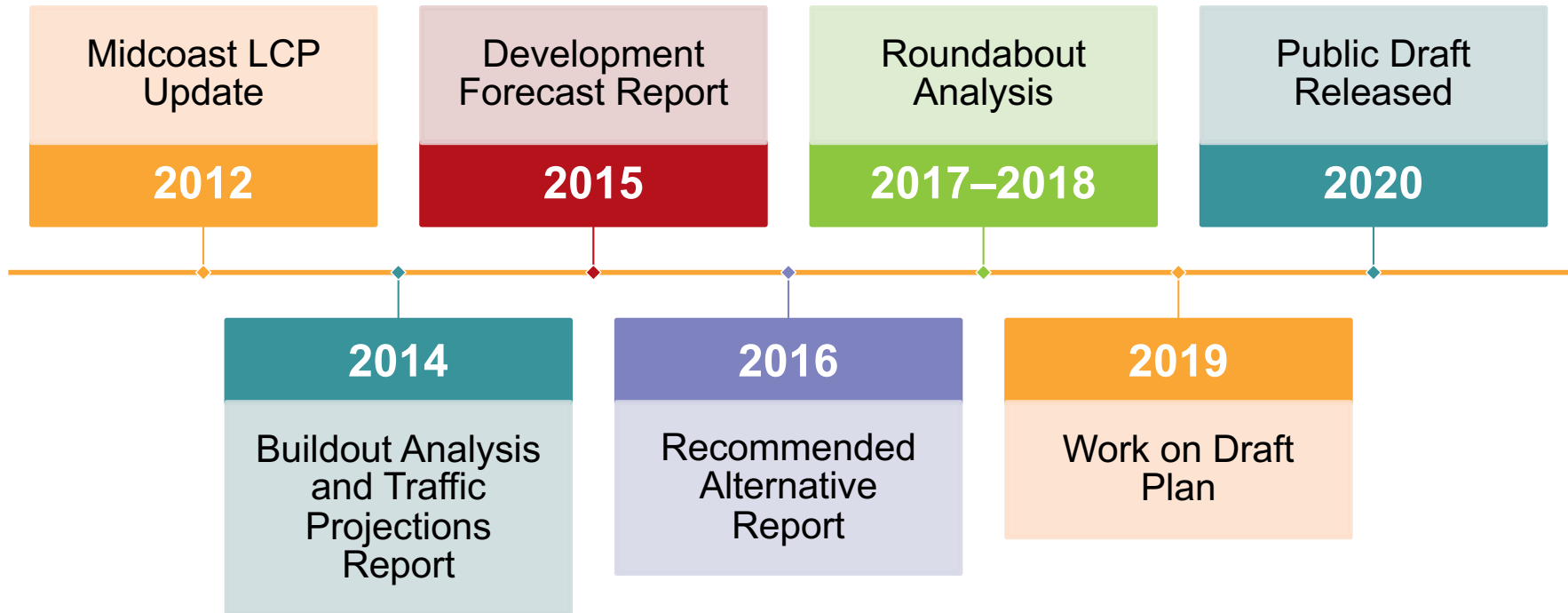


Let everyone participate

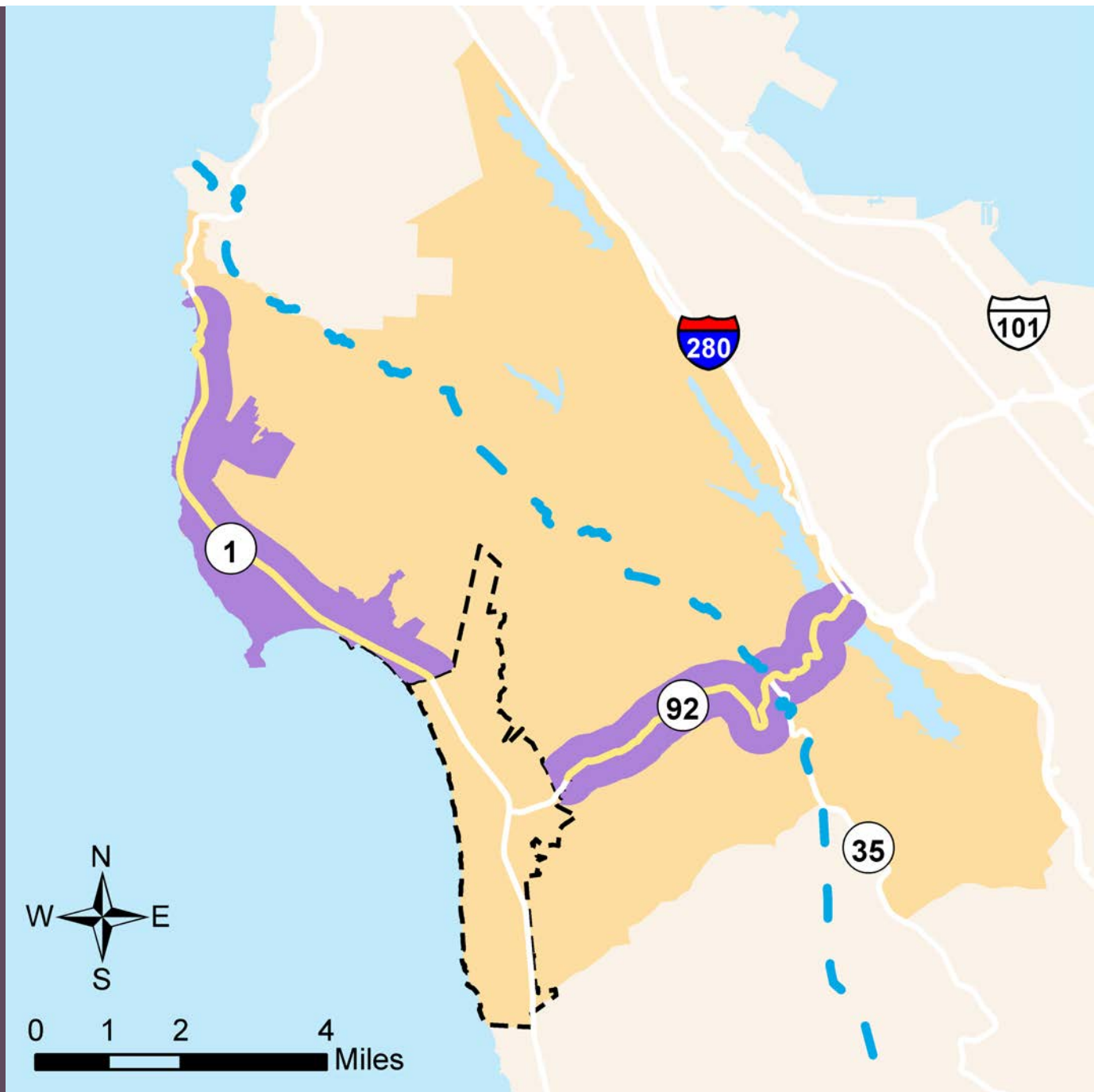


Any additions?

# How Did We Get Here?



# Planning Area



- Coastal Zone
- Planning Area
- - - Half Moon Bay
- Traffic Analysis Area

# Midcoast Communities







Moss Beach



# Moss Beach Proposed Projects



-  Existing HWY 1 Crossing
-  Proposed HWY 1 Crossings
-  Proposed Intersection Improvements
-  Existing Bus Stops
- Proposed Parallel Trail**
-  Separated Multimodal Trail
-  Sidewalks & Bike Route with Sharrows



# Next Steps

**Oct 2020 – Jan 2021**

- Update plan based on what we heard from the community & present updates to community

**Feb – March 2021**

- Publish Updated Plan, Midcoast Community Council, Planning Commission

**April 2021**

- County Board of Supervisors meet to consider approving the plan

**2021**

- Add Connect the Coast projects in local and state transportation plans

**2021 & beyond**

- Seek, obtain and provide grant funds for Connect the Coastside projects

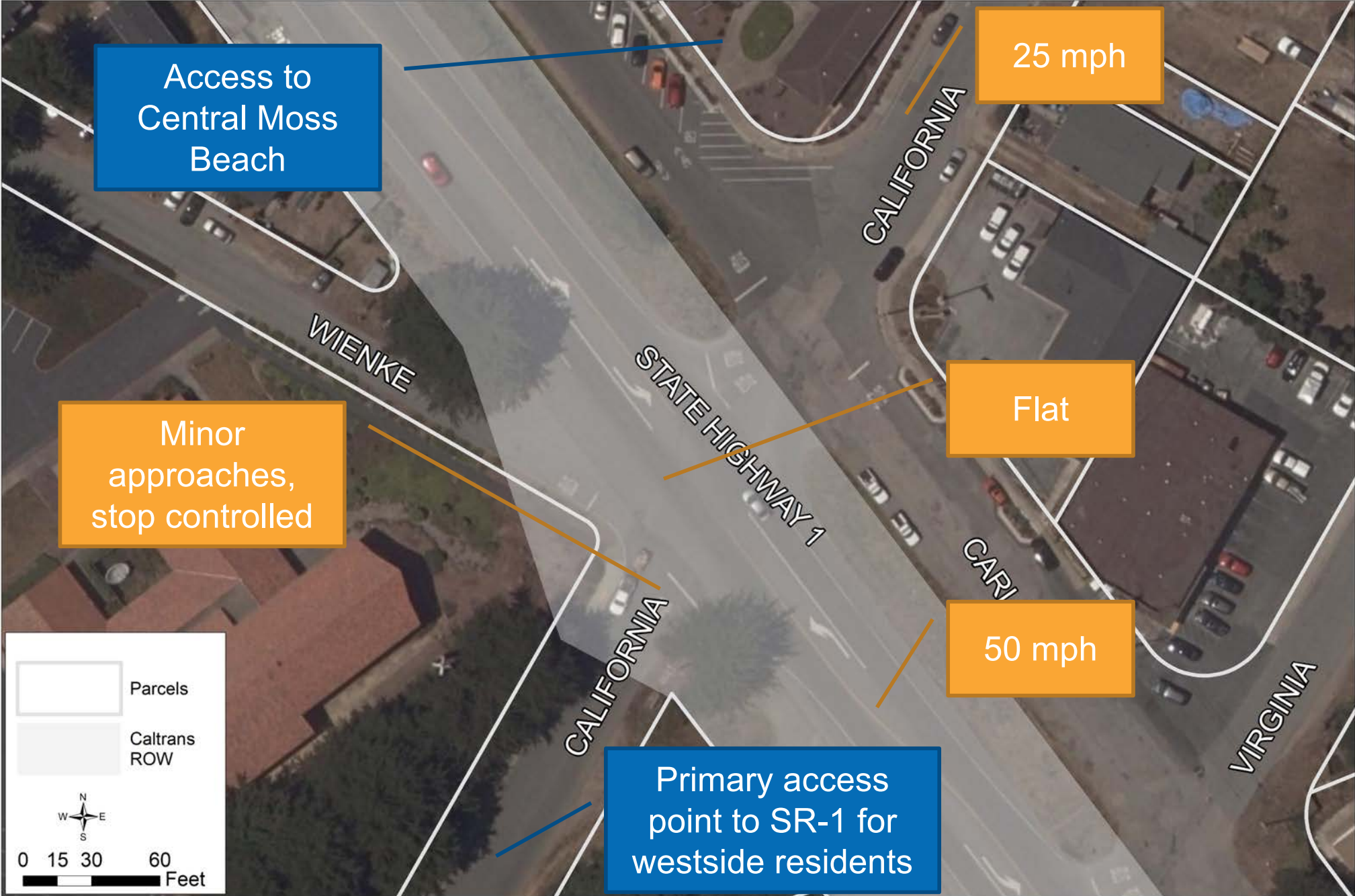
# Section agenda

- Presentation
- Clarifying questions
- Discussion (~30-40 min)

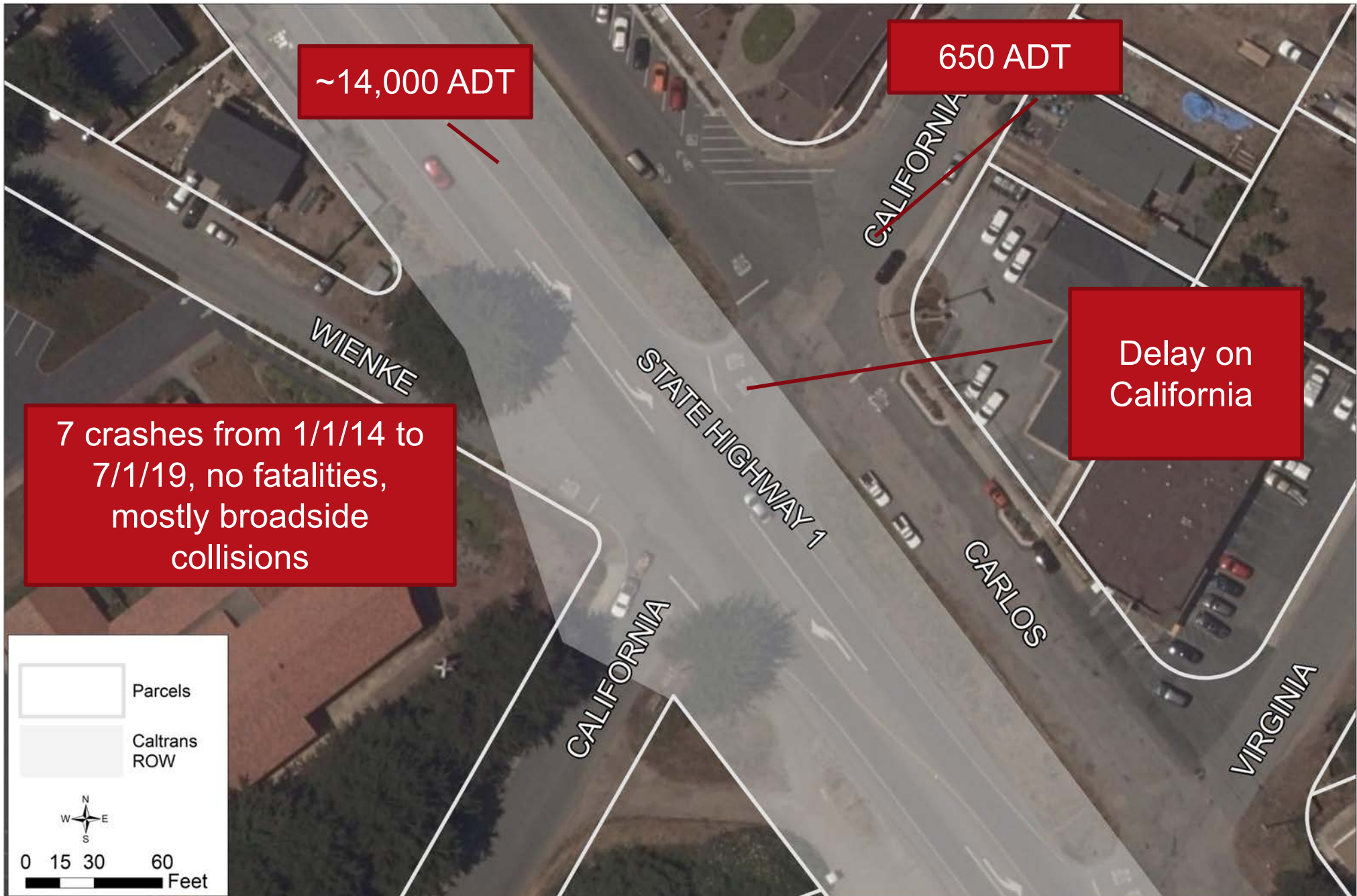
# California Ave & Highway 1

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# California & Highway 1 - Context

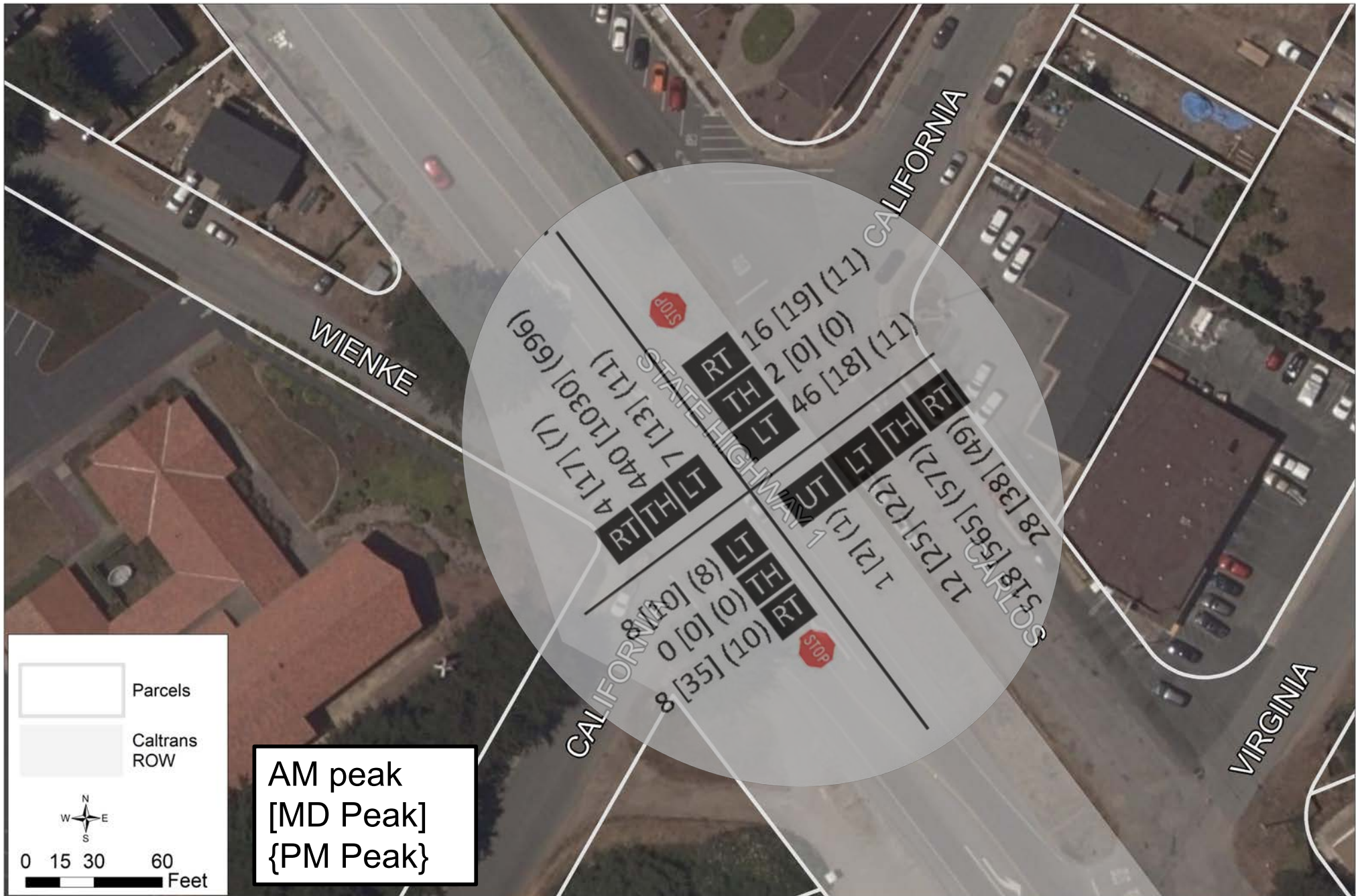


# California & Highway 1 – Existing Conditions





# California & Highway 1 – Existing Volumes



# Why does this intersection need improvements?



Meets signals warrants under future conditions



Impacts due to proposed development



No ped / bike facilities



What do we  
need to  
accomplish with  
this intersection  
improvement?

- Allow cars to turn safely on/off Hwy 1
- Safe pedestrian & bicycle crossing of Hwy 1
- Accommodate Parallel Trail
- Accommodate Class II bike lanes on Hwy 1
- Accommodate Coastal Trail along California Ave and Wienke Way
- Ensure large vehicles can move through intersection

# California & Highway 1 - Constraints





# View of Highway 1 from Carlos and California



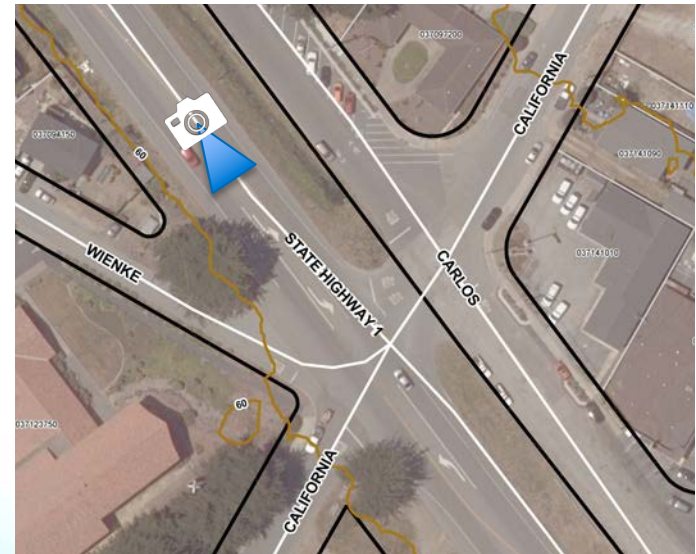


# View Down Wienke Way





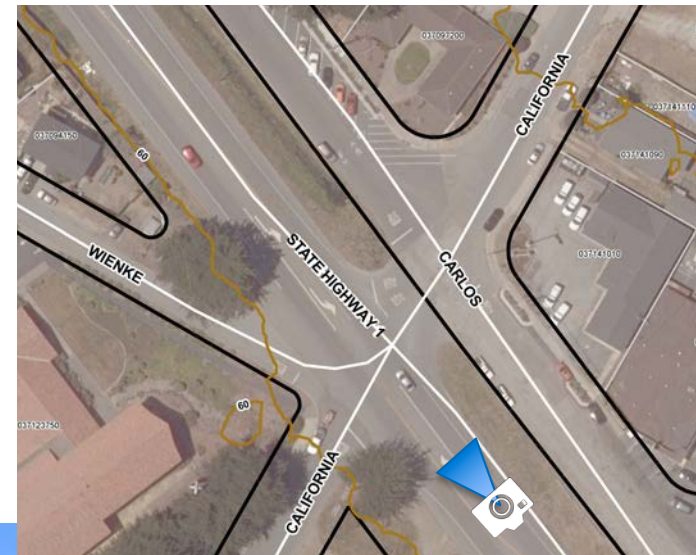
# View From Highway 1 facing South



Source: Google Street View



# View From Highway 1 facing North



Source: Google Street View



# View of Highway 1 from California looking East



Source: Google Street View



# View from California west of Carlos and Highway 1



# Potential Designs

- Single-lane roundabout
  - Draft Intersection Control Evaluation recommendation
- Signal





**LEGEND:**

**PROPOSED**

-  SIGN
-  "STOP" TEXT PAVEMENT MARKING
-  "YIELD" TEXT PAVEMENT MARKING
-  LANDSCAPE/HARDSCAPE AREA/MEDIAN
-  TRUCK APRON
-  10 FT WIDE CROSSWALK STRIPE
-  CLASS II BIKE LANE
-  PARALLEL TRAIL 12' WIDTH
-  CURB RAMP
-  ROW ACQUISITION REQUIRED

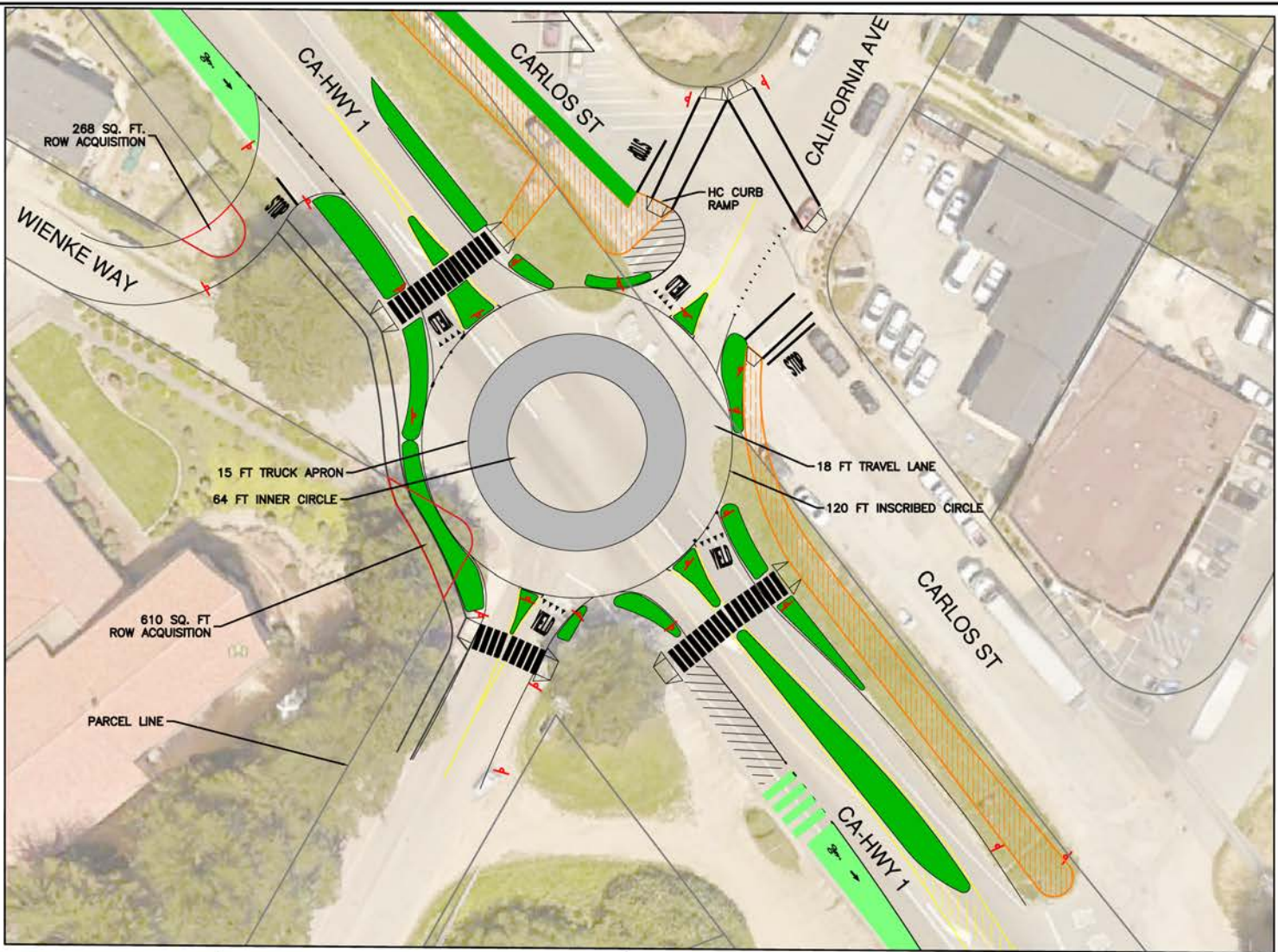
**NOTES:**

CONVERT SIDE-STREET STOP CONTROLLED INTERSECTION TO 120 FT INSCRIBED DIAMETER SINGLE LANE ROUNDABOUT

RE-ALIGN WIENKE WAY TO CONNECT TO CA-HIGHWAY 1 PRIOR TO THE ROUNDABOUT

CARLOS STREET PLANNED TO BE CONVERTED TO ONE-WAY STREET AS PART OF ANOTHER PROJECT

INSTALL YIELD SIGNS (R1-2), PEDESTRIAN CROSSING SIGNS (W11-2), AND ADVANCE ROUNDABOUT SIGNS (W2-6)



10% SUBMITTAL  
NOT FOR CONSTRUCTION

DESIGNED BY <b>B. SIDHU</b>	DESIGNED DATE <b>20200403</b>	HORIZONTAL SCALE <b>AS SHOWN</b>	VERTICAL SCALE <b>N/A</b>
CHECKED BY <b>B. SIDHU</b>	CHECKED DATE <b>20200403</b>	CONTRACT NO.	DATE
APPROVED BY	DATE		

**PRELIMINARY**

**PREPARED BY:**



1970 Broadway, Suite #740  
Oakland, California 94612-2219  
Tel: 510-763-2061  
Fax: 510-298-1739

REVISIONS				
NO.	DATE	BY	DESCRIPTION	APPR. DATE

**COUNTY OF SAN MATEO**  
**HIGHWAY 1 & CALIFORNIA AVENUE**  
ROUNDABOUT CONCEPT PLAN  
LAYOUT PLAN: SINGLE-LANE ROUNDABOUT ALTERNATIVE

DRAWING NO.  
**L-2**  
SHT 3 OF 3

FILE NAME: San\_Mateo\_Roundabout\_Concept\_Design\_18-16-20\_44388a.rvt 11/18/20 10:27:30 AM 355 18-11-20 16666p



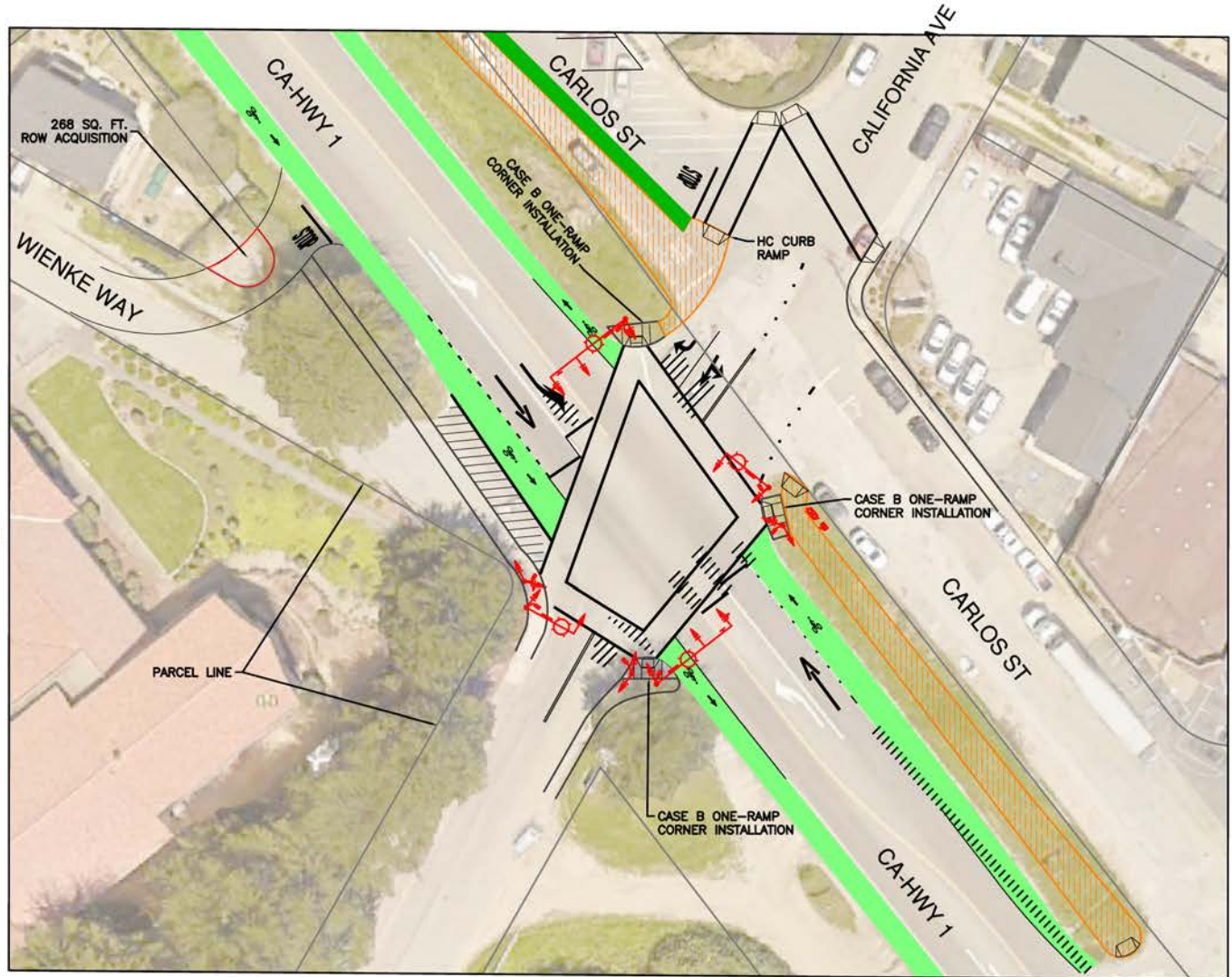
**LEGEND:**

- |                 |                 |  |
|-----------------|-----------------|--|
| <b>EXISTING</b> | <b>PROPOSED</b> |  |
|                 |                 | EXISTING SIGN  |
|                 |                 | LEFT TURN LANE ARROW   |
|                 |                 | "STOP" TEXT PAVEMENT MARKING   |
|                 |                 | REMOVE EXISTING PAVEMENT MARKING   |
|                 |                 | LED SAFETY LIGHTING  |
|                 |                 | TRAFFIC SIGNAL CONTROLLER CABINET  |
|                 |                 | ELECTRIC SERVICE CABINET   |
|                 |                 | TRAFFIC SIGNAL POLE  |
|                 |                 | STANDARD WITH SIGNAL MAST ARM AND ATTACHED VEHICLE SIGNAL HEADS                                    |
|                 |                 | LED VEHICLE SIGNAL HEAD WITH BACKPLATE (3-SECTION: RED, YELLOW, GREEN)                             |
|                 |                 | LET VEHICLE SIGNAL HEAD WITH BACKPLATE (3-SECTION: RED ARROW, YELLOW ARROW, FLASHING YELLOW ARROW) |
|                 |                 | STREET NAME SIGN   |
|                 |                 | LED PEDESTRIAN SIGNAL HEAD COUNTDOWN FEATURE   |
|                 |                 | MAST ARM SIGN ("LEFT TURN YIELD ON FLASHING YELLOW ARROW")   |
|                 |                 | CLASS II BIKE LANE   |
|                 |                 | PARALLEL TRAIL 12' WIDTH   |
|                 |                 | CURB RAMP  |
|                 |                 | ROW ACQUISITION REQUIRED   |

**NOTES:**

- CONVERT SIDE-STREET STOP CONTROLLED INTERSECTION TO SIGNALIZED INTERSECTION
- RE-ALIGN WIENKE WAY TO CONNECT TO CA-HIGHWAY 1 PRIOR TO THE SIGNALIZATION
- CARLOS STREET PLANNED TO BE CONVERTED TO ONE-WAY STREET AS PART OF ANOTHER PROJECT

10% SUBMITTAL  
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DESIGNED BY <b>B. SIDHU</b>	DESIGNED DATE <b>20200403</b>	HORIZONTAL SCALE <b>AS SHOWN</b>	VERTICAL SCALE <b>N/A</b>
CHECKED BY <b>B. SIDHU</b>	CHECKED DATE <b>20200403</b>		
APPROVED BY			
ENGINEER	DATE	CONTRACT NO.	

**PRELIMINARY**

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REVISIONS				
NO.	DATE	BY	DESCRIPTION	APPR. DATE

**COUNTY OF SAN MATEO**  
**HIGHWAY 1 & CALIFORNIA AVENUE**  
LAYOUT PLAN: TRAFFIC SIGNAL

DRAWING NO.  
**L-3**  
SHT 3 OF 3

FILE NAME: San Mateo - Highway 1 & California Avenue - Concept Design - 10-16-20 - 2020.dwg, 10-16-20 2:55:46 PM, 10-16-20 14:07:30, 10-16-20 14:07:30

Plot Size: 11x17 in, 10-16-20 14:41:00



**Any clarifying  
questions?**

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# Cypress Ave & Highway 1

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# Cypress & Highway 1 - Context





# Cypress & Highway 1 – Existing Conditions

11 crashes from 1/2011 to 6/2017 (8 of 11 property-damage only)

~1,400 ADT

Delay / queues on Cypress

No sidewalks, ramps

~20,000 ADT





# Cypress & Highway 1 - Volumes



# Why does this intersection need improvements?



Meets signal warrant under current conditions



Impacts of new proposed development (Big Wave)



Access to regional destinations and homes (Trails, Pillar Point, Marine Reserve)



Improve ped & bike safety



What do we  
need to  
accomplish with  
this intersection  
improvement?

- Allowing cars to turn safely on/off Hwy 1
- Safe pedestrian crossing of Hwy 1
- Accommodate parallel trail
- Accommodate bike lanes
- Ensure large vehicles can move through intersection and turn onto Cypress Ave

# Cypress & Highway 1 - Constraints





# Highway 1 at Cypress Ave Facing North

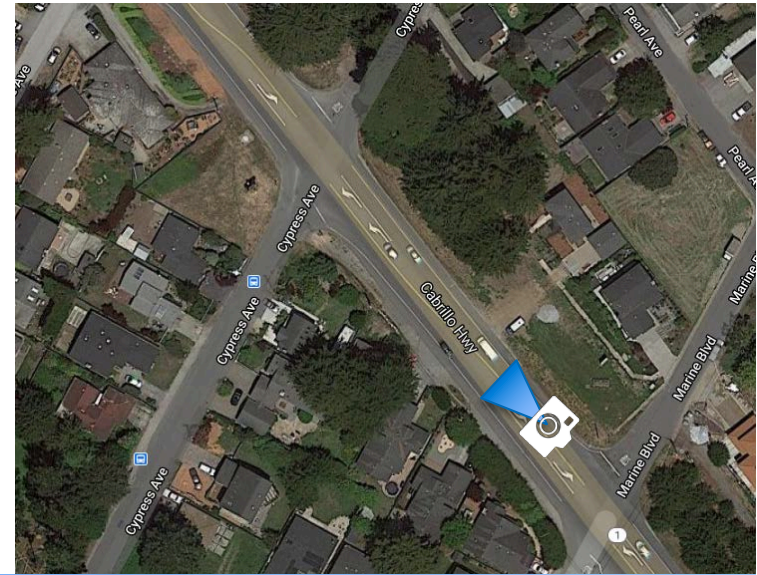


Source: Google Street View



# Highway 1 at Cypress Ave Facing North (closer to Marine)

~220' from  
intersection center





# Highway 1 at Cypress Ave Facing South





# Cypress Ave at Highway 1 Facing West



Source: Google Street View



# Cypress Ave at Highway 1 Facing East

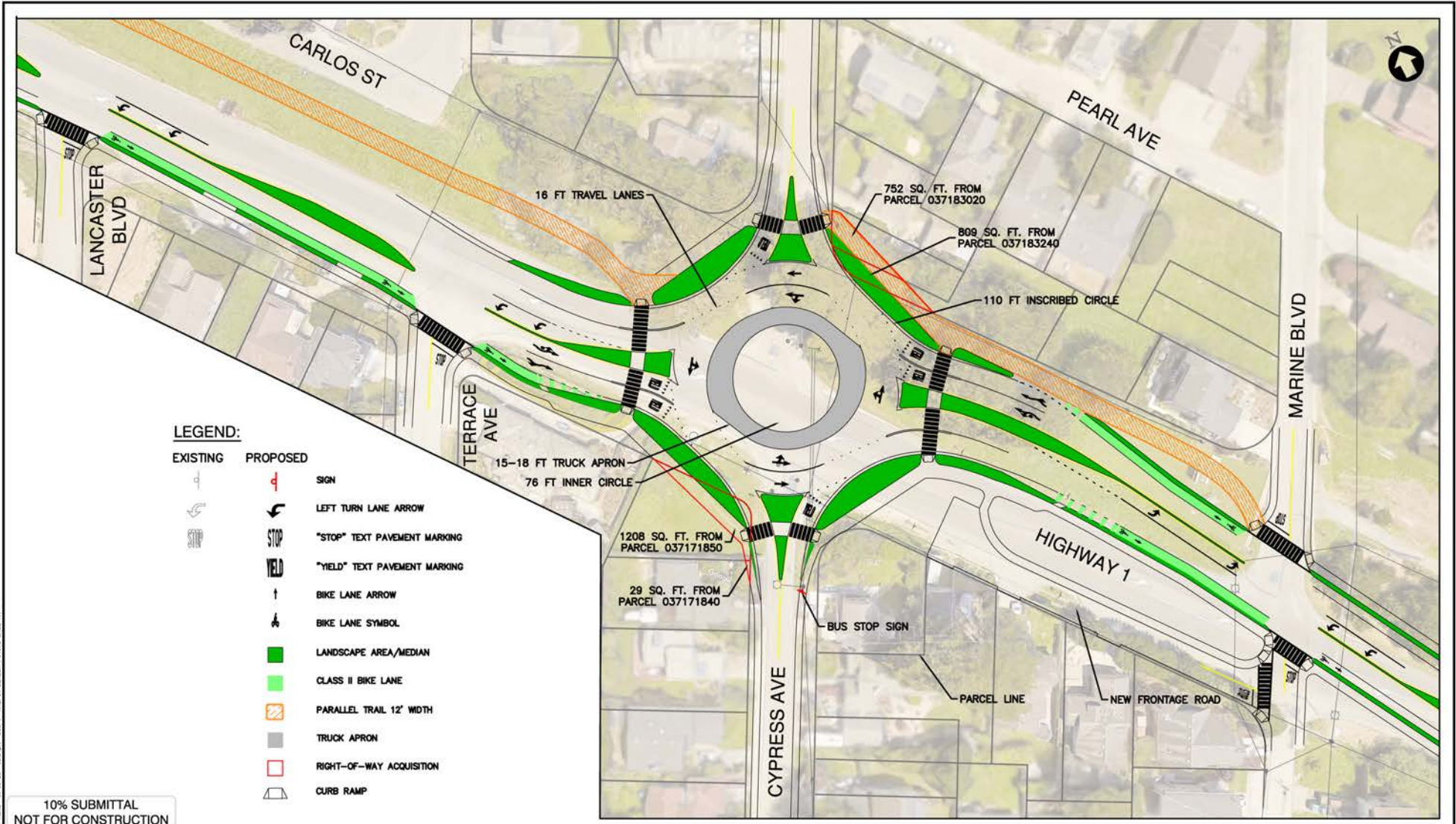


Source: Google Street View

# Potential Designs

- Multi-lane roundabout
  - Draft Intersection Control Evaluation recommendation
- Single-lane roundabout
- Signal





- LEGEND:**
- |  |                 |  |                 |  |                                      |
|--|-----------------|--|-----------------|--|--------------------------------------|
|  | <b>EXISTING</b> |  | <b>PROPOSED</b> |  | <b>SIGN</b>                          |
|  |                 |  |                 |  | <b>LEFT TURN LANE ARROW</b>          |
|  |                 |  |                 |  | <b>"STOP" TEXT PAVEMENT MARKING</b>  |
|  |                 |  |                 |  | <b>"YIELD" TEXT PAVEMENT MARKING</b> |
|  |                 |  |                 |  | <b>BIKE LANE ARROW</b>               |
|  |                 |  |                 |  | <b>BIKE LANE SYMBOL</b>              |
|  |                 |  |                 |  | <b>LANDSCAPE AREA/MEDIAN</b>         |
|  |                 |  |                 |  | <b>CLASS II BIKE LANE</b>            |
|  |                 |  |                 |  | <b>PARALLEL TRAIL 12' WIDTH</b>      |
|  |                 |  |                 |  | <b>TRUCK APRON</b>                   |
|  |                 |  |                 |  | <b>RIGHT-OF-WAY ACQUISITION</b>      |
|  |                 |  |                 |  | <b>CURB RAMP</b>                     |

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<b>DRAWN</b> B. SIDHU	<b>DESIGNED</b> B. SIDHU	<b>HORIZONTAL SCALE</b> AS SHOWN
<b>CHECKED</b> J. LIU	<b>DATE CHECKED</b> 20200403	<b>VERTICAL SCALE</b> N/A
<b>APPROVED</b>		
<b>ENGINEER</b>	<b>DATE</b>	<b>CONTRACT NO.</b>

**PRELIMINARY**

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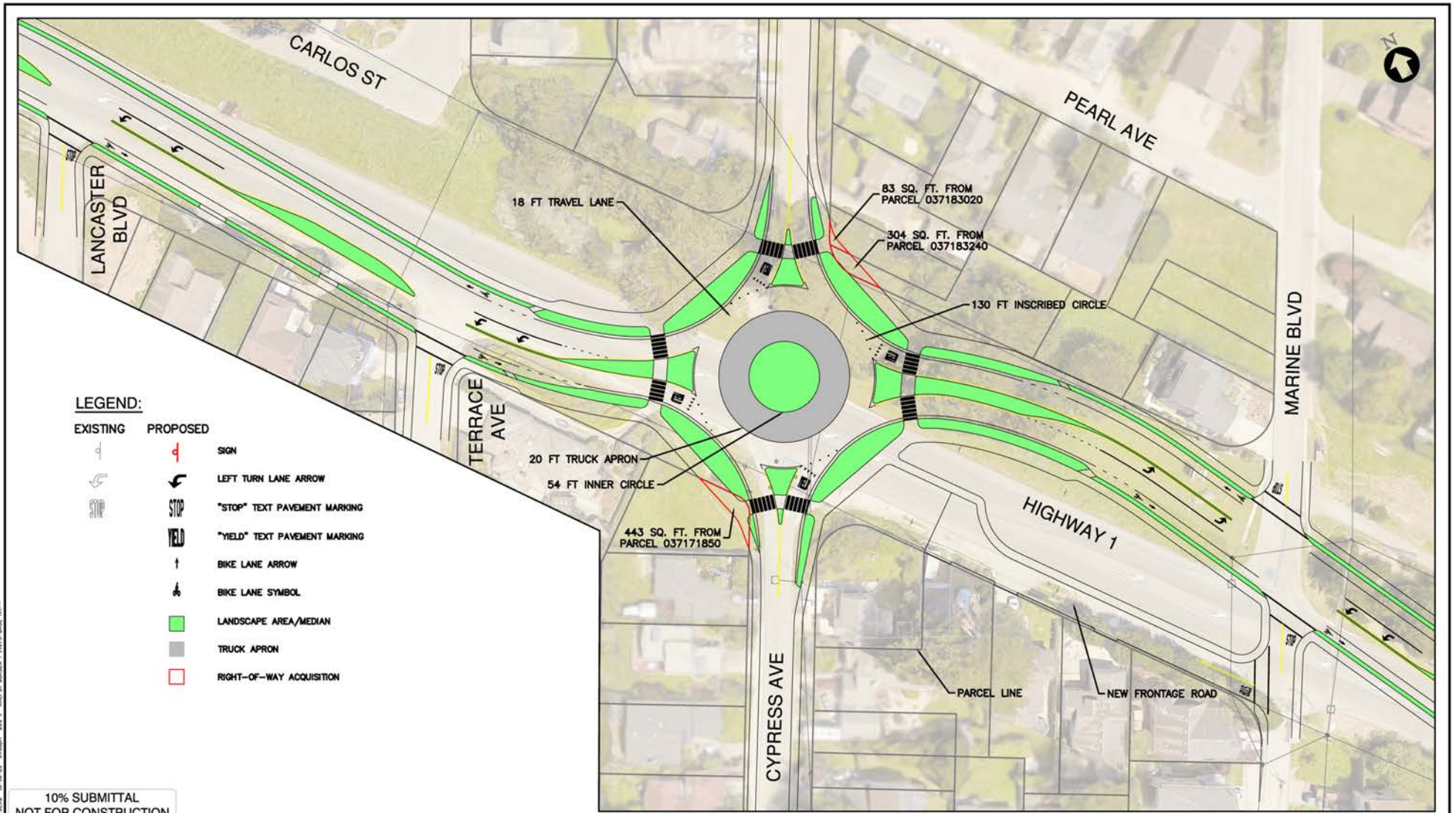
REVISIONS				
NO.	DATE	BY	DESCRIPTION	APPR. DATE

**COUNTY OF SAN MATEO**  
**HIGHWAY 1 & CYPRESS AVENUE ICE**  
**LAYOUT PLAN: MULTI-LANE ROUNDABOUT ALTERNATIVE**

**DRAWING NO.**  
**L-3**  
**SHT 4 OF 3**

I:\FILENAME\_14075-PLAN-SHEETS -- N-28 10-16-20 10:24am BSS & MRETSI BORDO | 14075-PLAN-ICE





**LEGEND:**

- |  |                 |  |                 |  |                                      |
|--|-----------------|--|-----------------|--|--------------------------------------|
|  | <b>EXISTING</b> |  | <b>PROPOSED</b> |  | <b>SIGN</b>                          |
|  |                 |  |                 |  | <b>LEFT TURN LANE ARROW</b>          |
|  |                 |  |                 |  | <b>"STOP" TEXT PAVEMENT MARKING</b>  |
|  |                 |  |                 |  | <b>"YIELD" TEXT PAVEMENT MARKING</b> |
|  |                 |  |                 |  | <b>BIKE LANE ARROW</b>               |
|  |                 |  |                 |  | <b>BIKE LANE SYMBOL</b>              |
|  |                 |  |                 |  | <b>LANDSCAPE AREA/MEDIAN</b>         |
|  |                 |  |                 |  | <b>TRUCK APRON</b>                   |
|  |                 |  |                 |  | <b>RIGHT-OF-WAY ACQUISITION</b>      |

10% SUBMITTAL  
NOT FOR CONSTRUCTION

DESIGNED <b>B. SIDHU</b>	DESIGNED <b>B. SIDHU</b>	HORIZONTAL SCALE <b>AS SHOWN</b>
CHECKED <b>J. LIU</b>	DATE CHECKED <b>20220403</b>	VERTICAL SCALE <b>N/A</b>
APPROVED		
ENGINEER	DATE	CONTRACT NO.

**PRELIMINARY**

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Fax: 510-268-1739

REVISIONS				
NO.	DATE	BY	DESCRIPTION	APPR. DATE

**COUNTY OF SAN MATEO**  
**HIGHWAY 1 & CYPRESS AVENUE ICE**  
LAYOUT PLAN: SINGLE-LANE ROUNDABOUT ALTERNATIVE

DRAWING NO.  
**L-2**  
SHT 3 OF 3

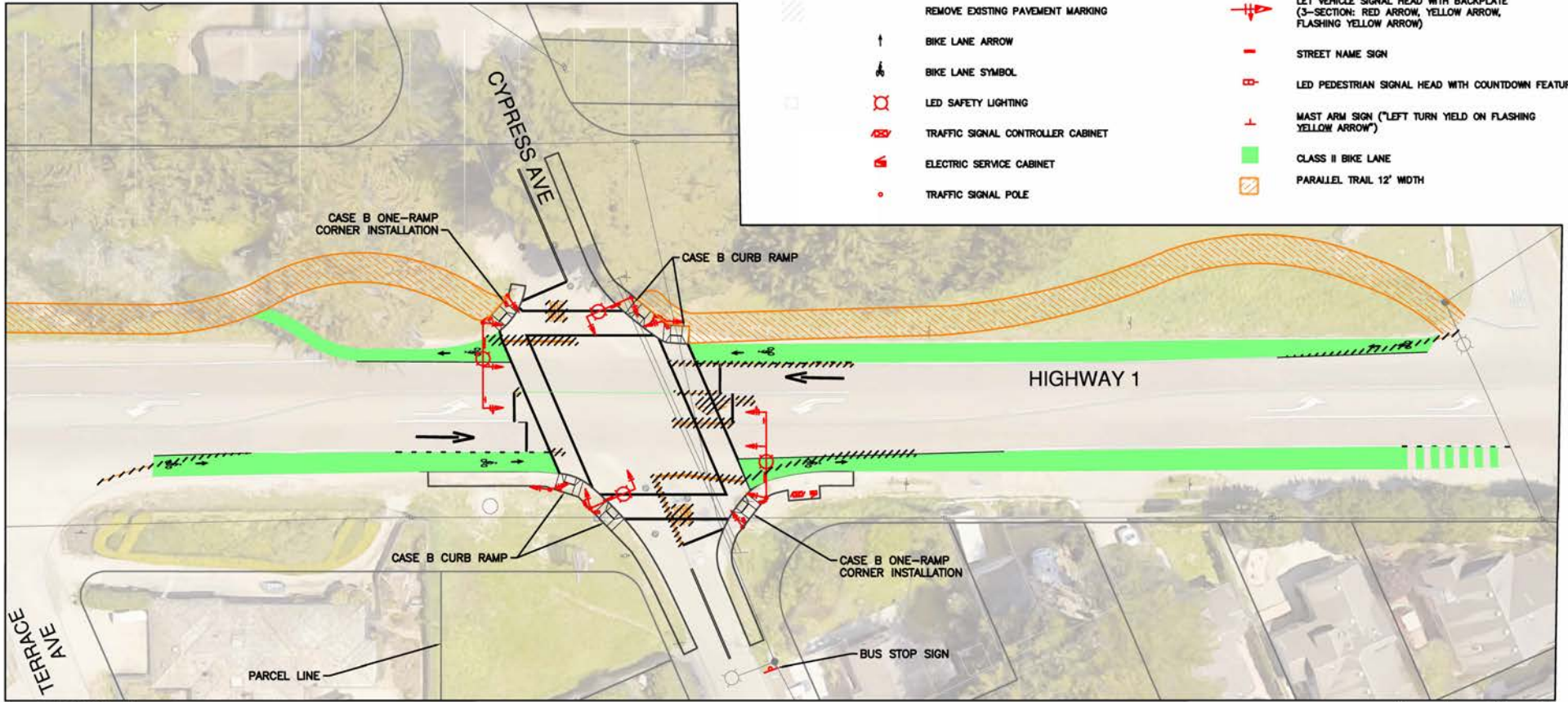
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**LEGEND:**

- |                 |                 |                                       |  |
|-----------------|-----------------|---------------------------------------|--|
| <b>EXISTING</b> | <b>PROPOSED</b> |                                       | <b>PROPOSED</b>  |
|                 |                 | EXISTING SIGN                         | STANDARD WITH SIGNAL MAST ARM AND ATTACHED VEHICLE SIGNAL HEADS                                    |
|                 |                 | EXISTING LEFT TURN LANE ARROW         | LED VEHICLE SIGNAL HEAD WITH BACKPLATE (3-SECTION: RED, YELLOW, GREEN)                             |
|                 |                 | EXISTING "STOP" TEXT PAVEMENT MARKING | LED VEHICLE SIGNAL HEAD WITH BACKPLATE (3-SECTION: RED ARROW, YELLOW ARROW, FLASHING YELLOW ARROW) |
|                 |                 | REMOVE EXISTING PAVEMENT MARKING      | STREET NAME SIGN   |
|                 |                 | BIKE LANE ARROW                       | LED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN FEATURE  |
|                 |                 | BIKE LANE SYMBOL                      | MAST ARM SIGN ("LEFT TURN YIELD ON FLASHING YELLOW ARROW")   |
|                 |                 | LED SAFETY LIGHTING                   | CLASS II BIKE LANE   |
|                 |                 | TRAFFIC SIGNAL CONTROLLER CABINET     | PARALLEL TRAIL 12' WIDTH   |
|                 |                 | ELECTRIC SERVICE CABINET              |  |
|                 |                 | TRAFFIC SIGNAL POLE                   |  |



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DESIGNED <b>B. SIDHU</b>	DESIGNED <b>B. SIDHU</b>	HORIZONTAL SCALE <b>AS SHOWN</b>
CHECKED <b>J. LIU</b>	DATE CHECKED <b>20220105</b>	VERTICAL SCALE <b>N/A</b>
APPROVED		
ENGINEER	DATE	CONTRACT NO.

**PRELIMINARY**

**PREPARED BY:**  
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REVISIONS				
NO.	DATE	BY	DESCRIPTION	APPR. DATE

**COUNTY OF SAN MATEO**  
**HIGHWAY 1 & CYPRESS AVENUE ICE**  
LAYOUT PLAN: TRAFFIC SIGNAL

DRAWING NO.  
**L-1**  
SHT 2 OF 3

Last Saved By: BSS 18-14-20 10:36am

**Any clarifying  
questions?**

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# Break





# The Midcoast Multimodal Parallel Trail



# Parallel Trail Planning History

- 1978 Community Plan
- 2011-12 Highway 1 Safety & Mobility Study
- 2013 Local Coastal Program



# Approved Segment

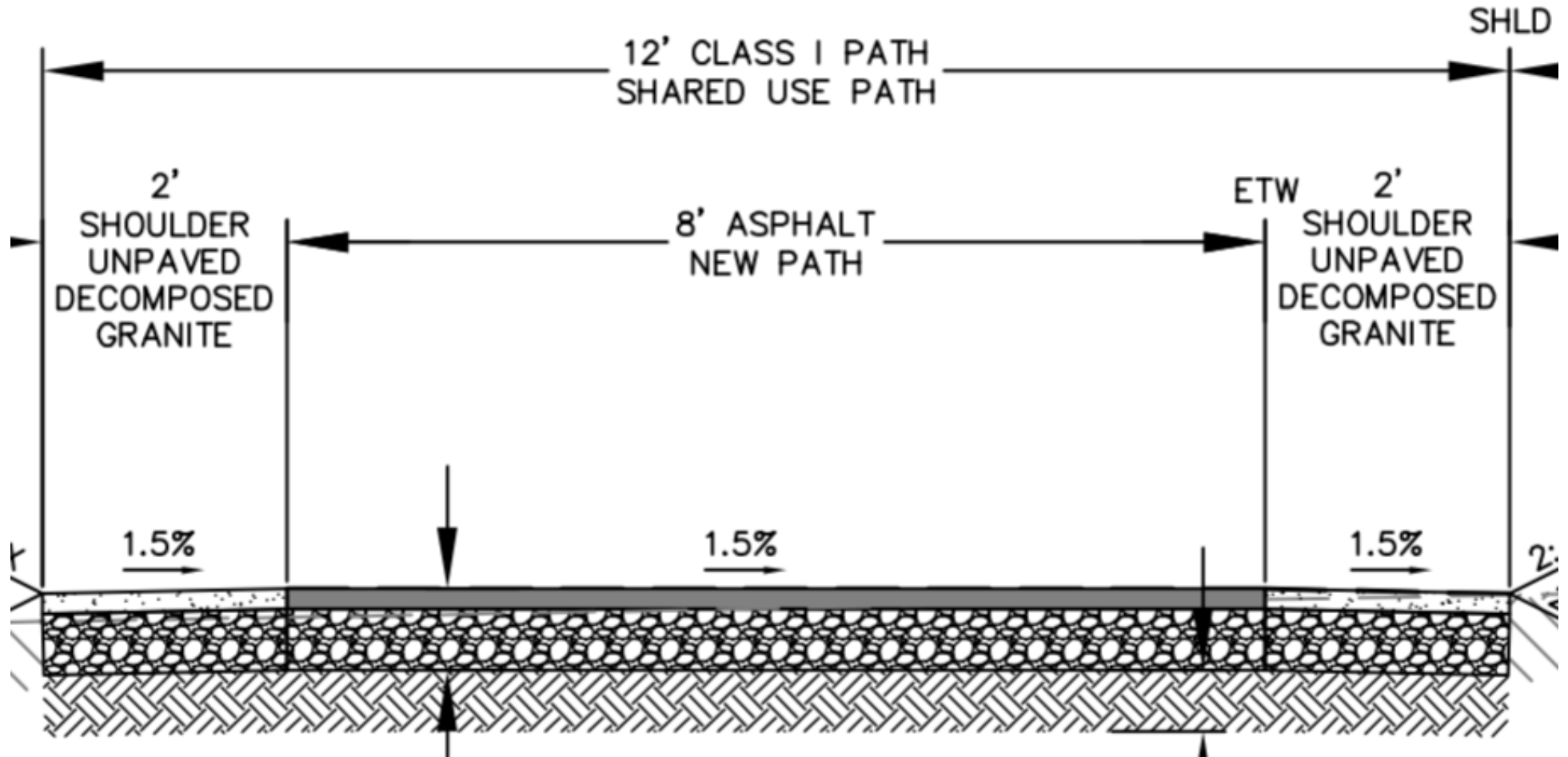




# Half Moon Bay East Side Parallel Trail



# Proposed Design



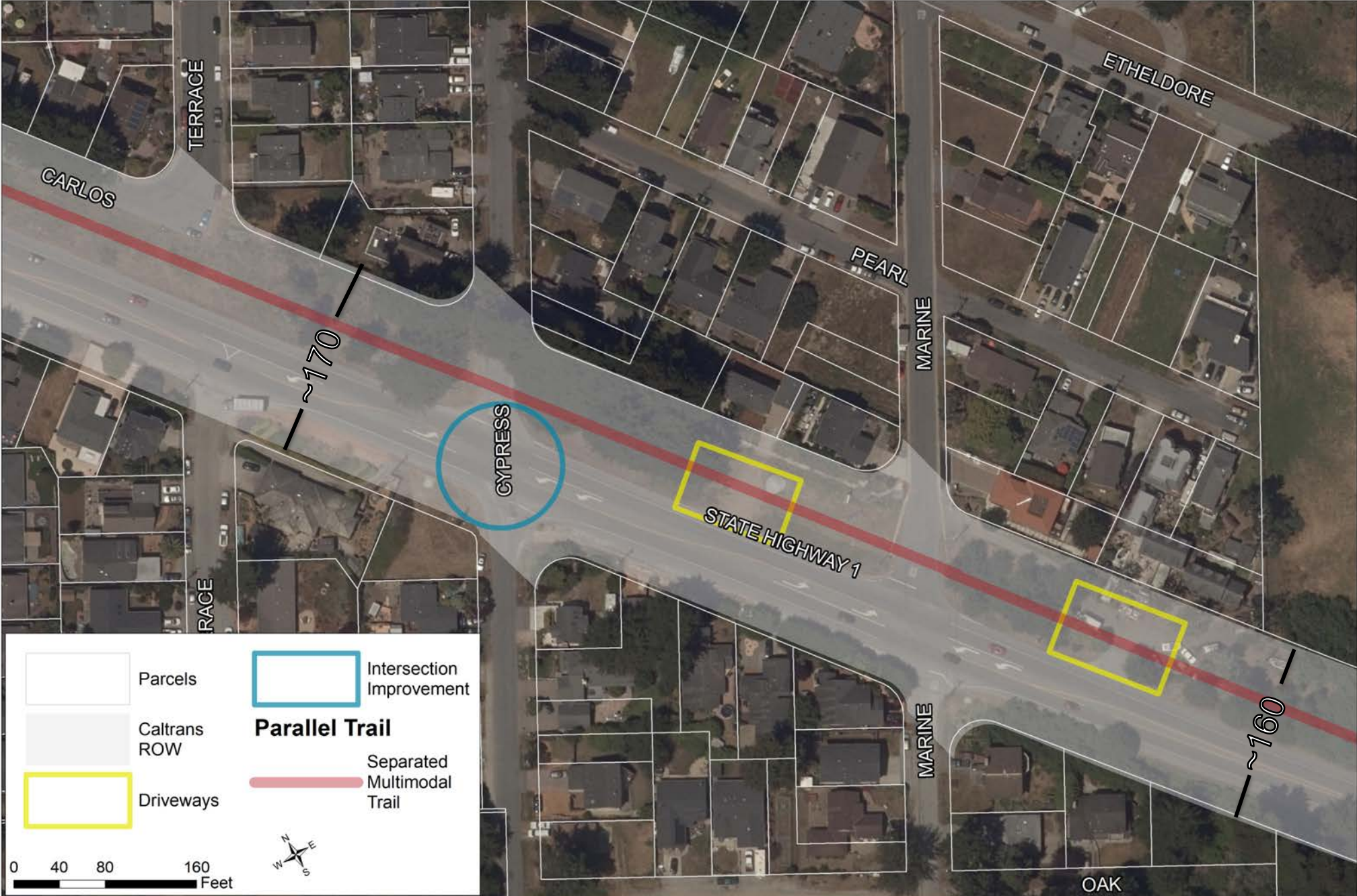


# Proposed Route in Moss Beach





# Marine to Terrace







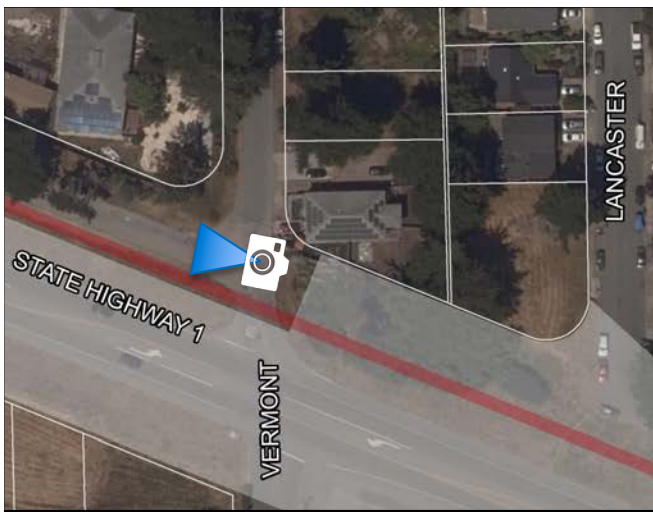
# Marine Ave Looking North



# Terrace to Virginia



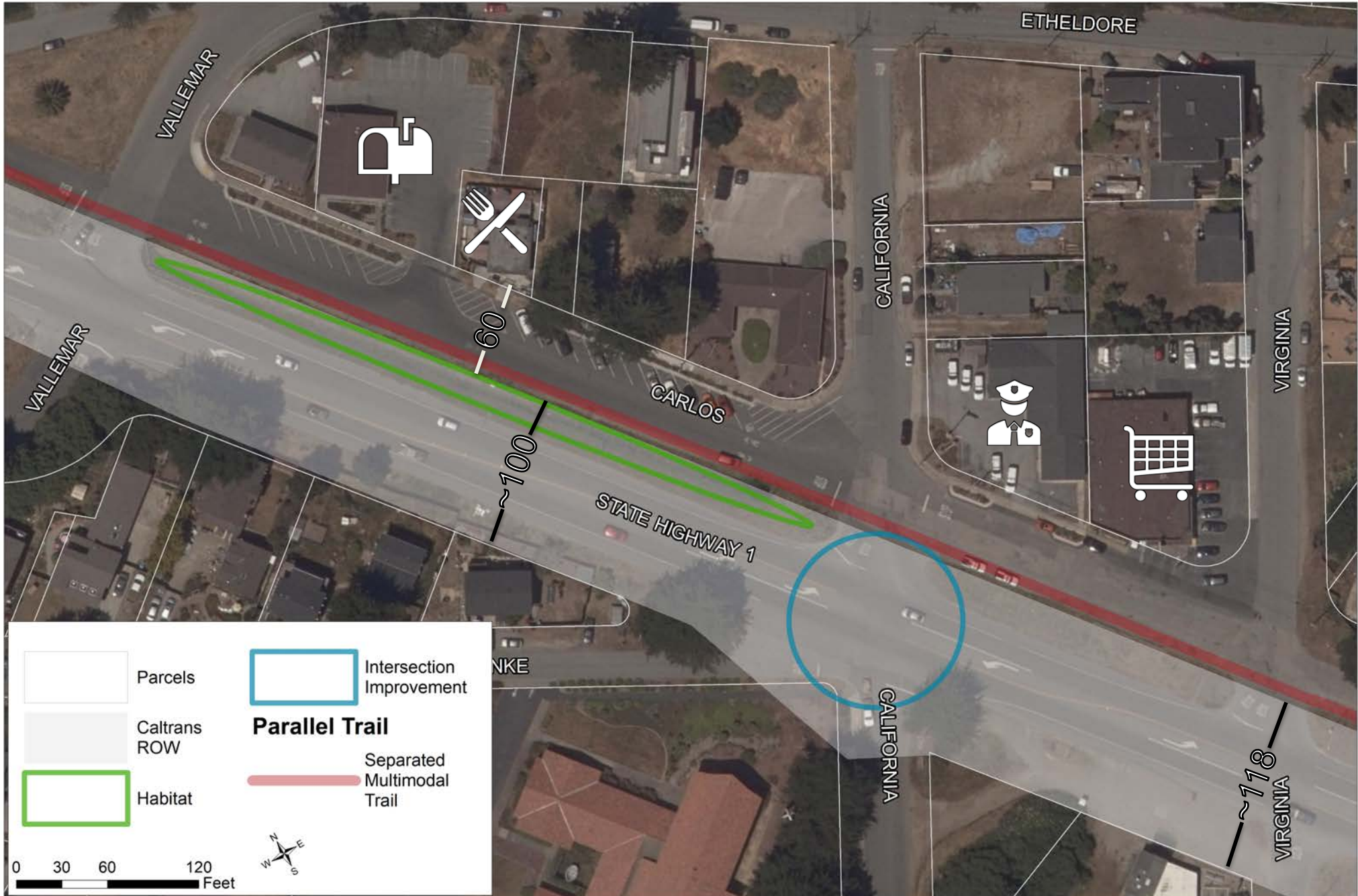




Carlos St at Vermont Ave Looking North



# Virginia to Vallemar







Carlos St Between Vallemar and California Ave



# Vallemar to Alley







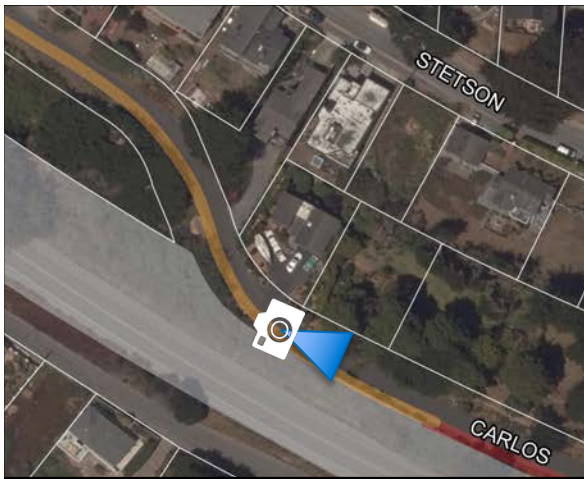
Carlos Street and Vallemar Street



# Alley to Sierra



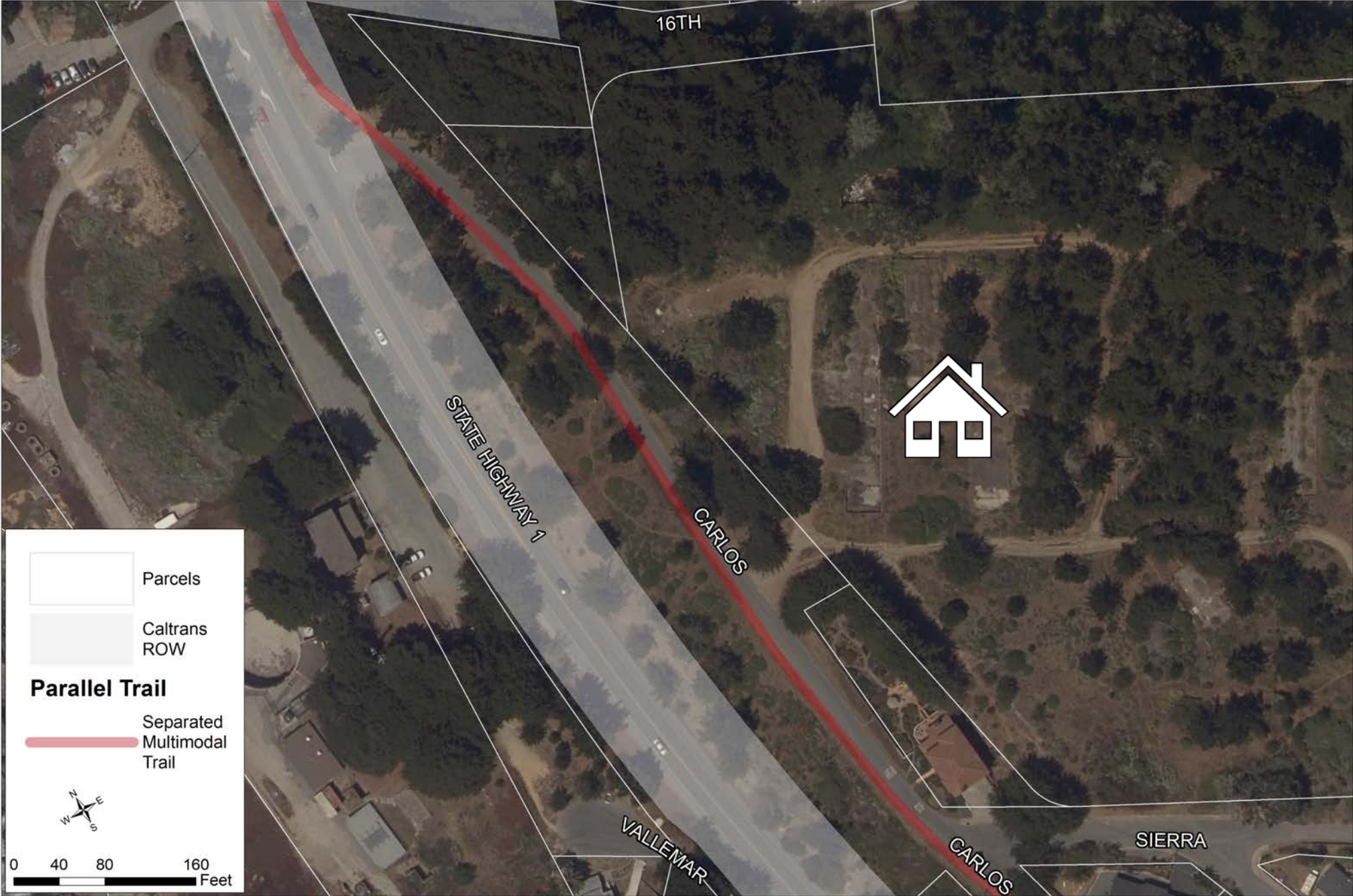




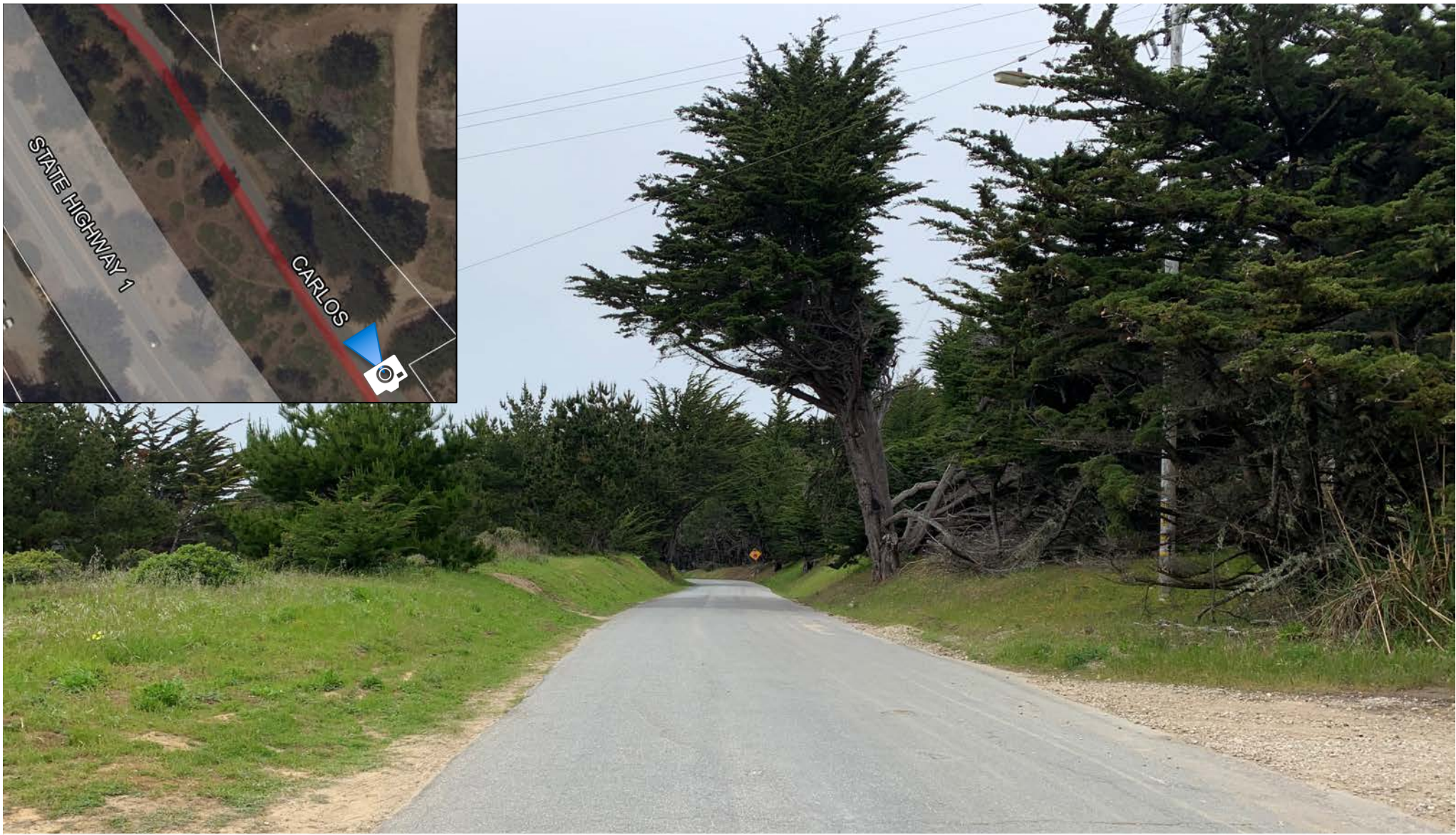
Carlos Ave Between Sierra St and Admiral St  
Looking South



# Sierra to 16th







Carlos Ave Between Sierra St and Admiral St  
Looking South

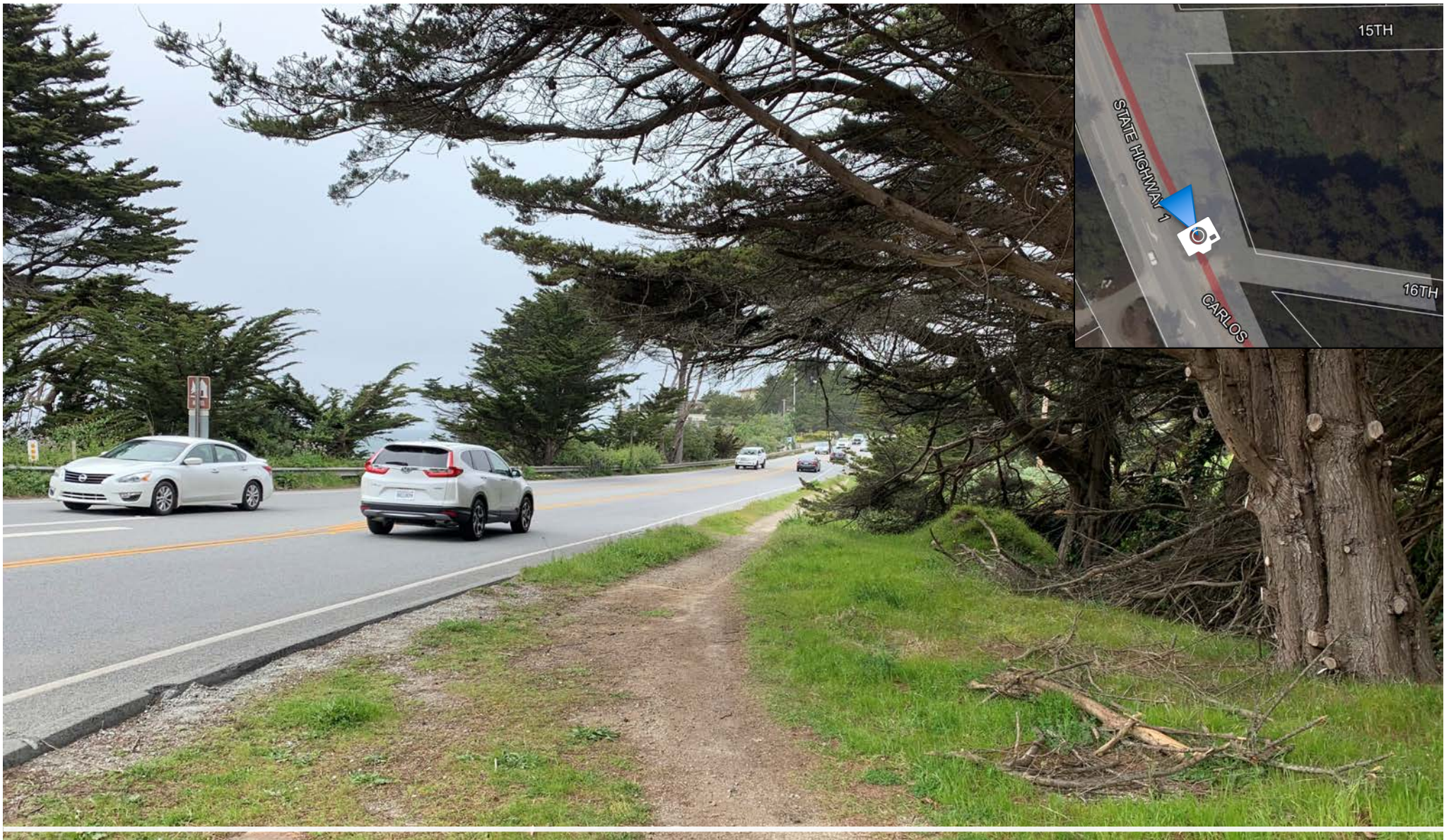




# Sierra to 16th







Existing Dirt Path Between 14<sup>th</sup> and 16<sup>th</sup>





# Brainstorming Near-term Options

- Using temporary materials to delineate path
- Testing shared street approaches





Questions?



Thank You