# REINAGINE RUSSELL BOULEVARD

City Council Meeting November 16, 2021

# Project Background + Purpose

### Reimagine Russell Boulevard....

...emerged from the City's interest in multimodal safety and UC Davis's 2018 Long Range Development Plan.

...is a Long-Range Transportation Planning Effort focused on:

- » Accommodating future community & campus growth and demand for travel on corridor.
- » Addressing existing safety, circulation, and multi-modal transportation needs.
- » Strengthening the visual identity, sense of place along City/Campus interface.
- » Integrating sustainable design into the corridor (stormwater management, heat-mitigation, climate resiliency, etc.)

# **Anticipated Project Outcomes**

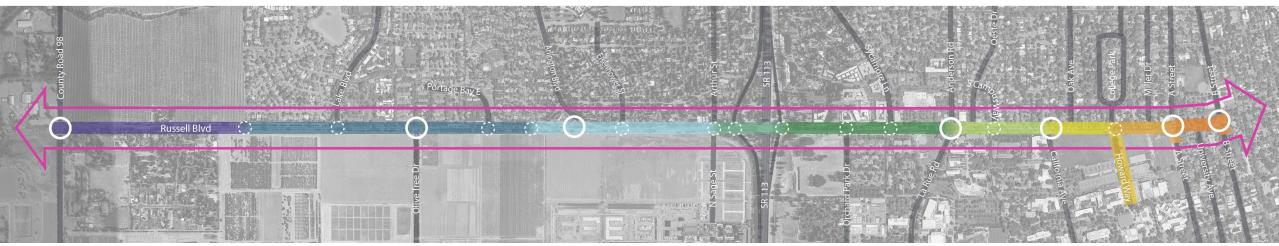
Conceptual Design Concept from B Street through County Road 98 (Cactus Corner)

Corridor Vision and Master Plan focused on











Spring 2021	Summer 2021	Fall 2021	Winter 2021/2022
Project launch	Corridor Vision	CSC Meeting #2	Public Workshop #3
Existing conditions	Draft Streetscape	Public Workshop #2	Review and adopt
inventory + analysis	Options / Concepting	Online Survey #2	final Master Plan
CSC Meeting #1	Traffic analysis	Concept refinement	
Public Workshop #1	<b>,</b>		
Online Survey #1		Draft Master Plan	
Online Survey #1			



### **April 2021 Public Engagement Round 1:**

**Project Introduction & Gather Community Input on Russell Boulevard Experiences** 

Community Steering Committee (17 Community Representatives) Public Workshop #1 (170 Participants) Online Survey #1 (Open for two weeks, 594 respondents)

### We heard....

- » Speed is a concern.
- » Safety is critical.
- Separate modes.
- » Create better crossings.
- » Enhance the experience.

#### What do you dislike and wish to see changed?

Speeding along the corridor

Wide crossings and poor visibility makes it treacherous for pedestrians

Anderson and La Rue intersection could use some improvements especially due to high use of all modes at this intersection

113 on ramp crossing is improved, but could still be

Stop sidewalks (north side) from flooding and make better for visually impaired

Parking takes up space and is low-value

A Street crossing to bike path is very awkward Address the unsafe crossings not just with striping and lashing lights - what about traffic calming?

Dying trees - we love the trees but can they be saved or what new ones could be added?

Maintenance of bikeways can't be forgotten (tree debris, etc.)

#### What do you like and wish to see preserved?

Gorgeous tree canopy over Russell - was a great entry into city - real source of pride

South on Sycamore

Bike signal works

well. There are a lot

of cyclists. Good to

see them

considered

biking - not having to share space with cars

Off-street

The west section of

Russell is very flat

and you can see the

sunset. Add a safe

place to stop and

see the sunset

enhance shade along corridor

Separate bikes

and pedestrians

for safety.

Should have left

old path.

On road bike

facilities for

faster

bicyclists

Preserve and

Appreciate the old time bicycle

"college life crossings happening on the with eye fields and other contact destinations along the corridor

Pennyfarthing in the median.

Bike path on south side. Provides extra measure of safety and comfort that is memorable and easy.

really like seeing

#### What is missing and you wish to see created?

Better night lighting

seating

and places

to relax

Safer crossings and sidewalks everywhere could be improved

a sense of place

and elements

that tell people

about Davis and

**UC Davis** 

opportunities to address the heat, the sun, and deal with stormwater

Wayfinding signage for all modes

We have an opportunity to design a beautiful boulevard, we don't war to make another forgettable/standard boulevard" - don't neer another Corvell Blvd

Don't design a transit boulevard, just to move people across town quickly, but focus on a sense of place that also allows transit

gateways

### October 2021 Engagement Round 2:

### Feedback on draft concepts

Community Steering Committee (11 participants)
Public Workshop #2 - (104 Participants)
Online Survey #2 – 300 respondents, results currently being summarized

#### We heard...

- » Excitement about the overall cross section concepts.
- » Support for intersection redesigns to advance safety.
- » Concerns about traffic.
- » Mixed feedback on transit access.
- » Excitement for gateways, art, and increased greenspace.









### **Cross Section Overview**

Follow guidance from City Standards on widths for travel lanes, bikeways, sidewalks, landscape areas.

#### **Bike facilities:**

- » Include options that explore on-street bikeways
- » Make bike facilities continuous and as consistent as possible
- » Separate bikeway from pedestrian path on south side
- » Widen shoulder west of Arlington to create rural on-street bike lanes

#### **Pedestrian facilities:**

- » Create continuous, consistent, and wider sidewalks where possible,
- » Separated walkway from bikeway on south side

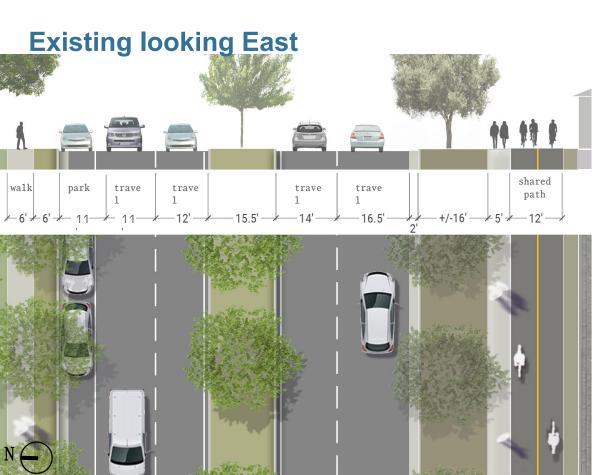
#### Motor vehicle facilities:

- » Adhere to City standard
- » Traffic analysis to inform lane needs (through and turning movements)





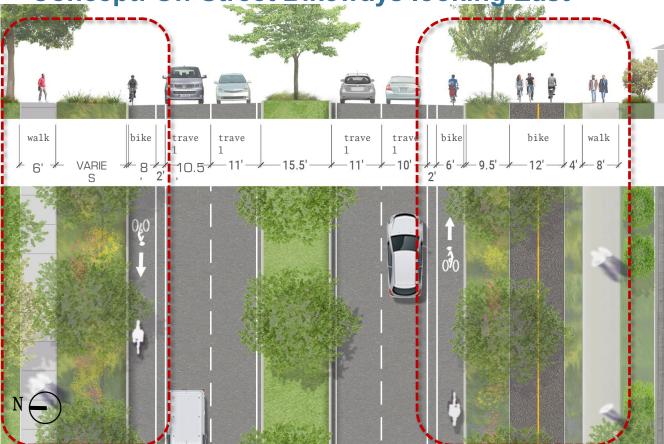
### Russell: East of 113



- » Two motor vehicle lanes each direction, parking on north side
- » Sidewalk on north, shared use path on south
- » Stressed tree canopy in some areas



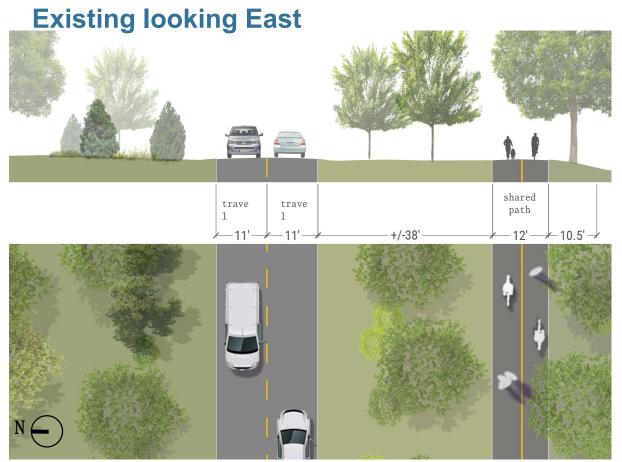
**Concept: On-Street Bikeways looking East** 



- » On-street buffered bikeway, no on street parking
- » Widened sidewalk on north
- » Separate bikeway and sidewalk on south
- Opportunities for new trees and green infrastructure

### Russell: West of 113





- » Discontinuous sidewalk on north side
- » Limited to no shoulder adjacent to motor vehicle lanes
- » Ample opportunities for green infrastructure and new trees



- » North side linear park condition possible
- » On street bikeways
- » Separated sidewalk and bikeway on south side
- New tree canopy and green stormwater infrastructure (GSI)

## Intersections & Placemaking Opportunities

### Intersection concepts and strategies

- » Explore protected intersections for bicyclists and pedestrians
- » Remove slip lanes where feasible
- » Incorporate curb extensions
- » Integrate green infrastructure and new street trees with new bike/ped mixing areas and seating areas
- » Improved crosswalks and pedestrian signal operations

### **Big Moves**

- » B Street past A Street, along Toomey Field
- » Howard Way
- » Anderson/LaRue Intersection
- » Arlington Roundabout
- » Cactus Corner

#### **Smaller Moves**

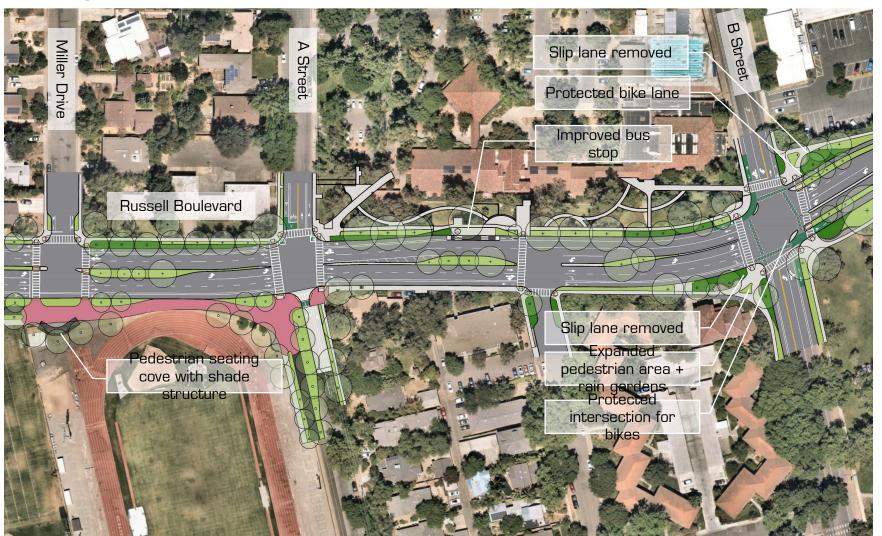
- » Additional Crossings (east of 113)
- » Additional Crossings (west of 113)







### **B Street // A Street // Toomey Field**



- Remove east-bound and west-bound right-turn slip lanes at B Street and repurpose space
- Add east-bound bike phase to separate bikes from heavy right turns
- » Reduce # of north-bound vehicle travel lanes at A Street, increase space pedestrians / bikes along west side of A Street
- Toomey Field is a "pinch point" so bikes / pedestrians share space.

### **Howard Way**



- » Remove on-street bike lanes on Howard Way to allow for north-bound bus lane; sharrows on street and bikeway on west side.
- » Bus-only signal phase to reduce outgoing bus delays. Small increase in auto delay.
- » Reduce pedestrian crossing distance at College Park Drive.
- » Incorporate and enhance the proposed campus entrance design.
- » Pedestrian seating coves integrated with intersection crossing points.

### Oak // California



- » Enhance median at California Avenue for pedestrian protection.
- » Maintain the same signal operations at Oak and Rectangular Rapid Flashing Beacons (RRFB) at California.
- » Ped/bike trail alignment on south side allows for easier movement toward California Avenue and Howard Way and into UC Davis.
- » California Avenue crossing include high visibility crossings for bicyclists and pedestrians.
- » Pedestrian connections to both west and east intramural fields.

### **Anderson and LaRue**



- » Repurpose east-bound and westbound right-turn slip lanes for bicycle and pedestrian queuing space.
- » East-bound and west-bound outside lanes are shared through / right-turn.
- » 1 north-bound through and 1 north-bound right-turn lane to separate vehicle and bike movements.
- » Protected intersection and northbound dedicated bike phase.
- » Modified movements will not experience significantly more traffic delay.

## 113 Overpass and Ramps



- » Improve crossing for people walking and biking by tightening up the entrance radius to the SB on-ramps to slow turning vehicles.
- » Improve south SB on-ramp by tightening entrance radius and include yellow flashing arrow.
- » Added buffer and protection to WB on-street bike lane near on ramp.
- » Increased space for pedestrians to at intersections.
- » Significant addition of new street tree canopy.
- » Opportunities for gateways marking arrival to City and UC Davis, could incorporate signage, art, wayfinding.

# **Arlington Roundabout**



- » Roundabout creates a safer environment for all modes by decreasing conflict points, will operate well based on traffic analysis.
- » Enhanced pedestrian and bicycle crossing improvements to Eisenhower Street.
- » Preserve and enhance existing tree canopy by adding new climate tolerant trees where possible.
- » Opportunity to incorporate art installations in center of roundabout.
- » Added crosswalks at Evenstar Lane.

### **Cactus Corner Roundabout**



- » County proposed roundabout creates a great opportunity to create a "gateway" experience.
- » On-street bicyclists can stay in the street or move to the shared path around the intersection.
- » Cacti are preserved and/or relocated within the roundabout design improvements.
- » Existing mature oak trees are preserved where feasible.
- » Cactus corner is enhanced with additional walking paths and pedestrian coves.
- » Opportunity to incorporate art installations.

# Additional Crossings (east of 113)

### **Orchard Park Example**

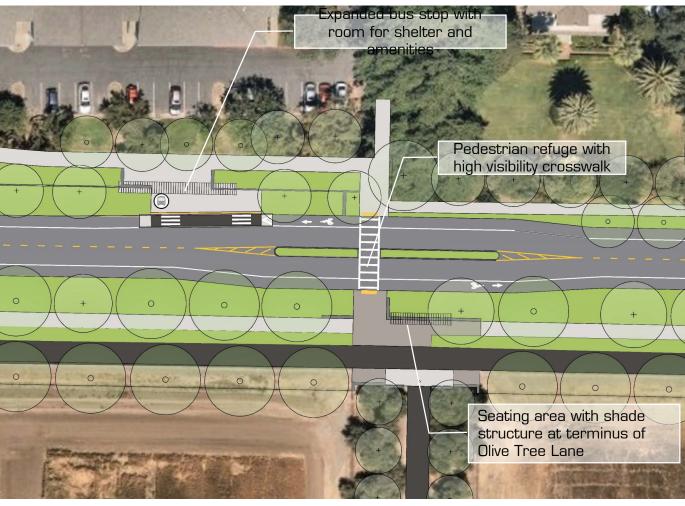


- » Pedestrian refuge provides space for pedestrians to wait to cross a lane if needed.
- » Incorporates high visibility crosswalks and rectangular rapid flashing beacons.



# Additional Crossings (west of 113)

### Midblock Crossing Example at Olive Tree Lane



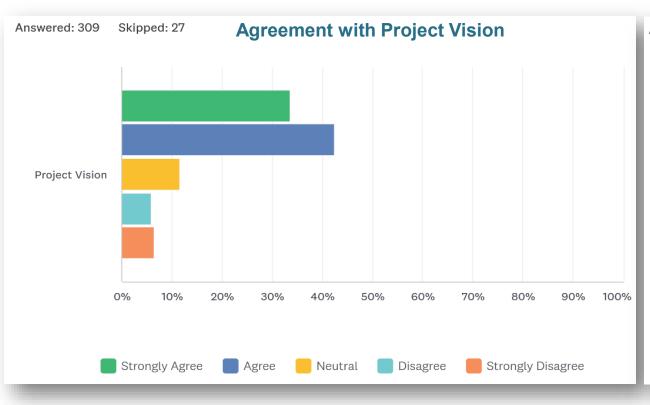
- » Pedestrian refuge provides space for pedestrians to wait to cross a lane.
- » Incorporation of a refuge can have a calming effect on motor vehicle travel as lanes shift slightly to accommodate pedestrian refuge.

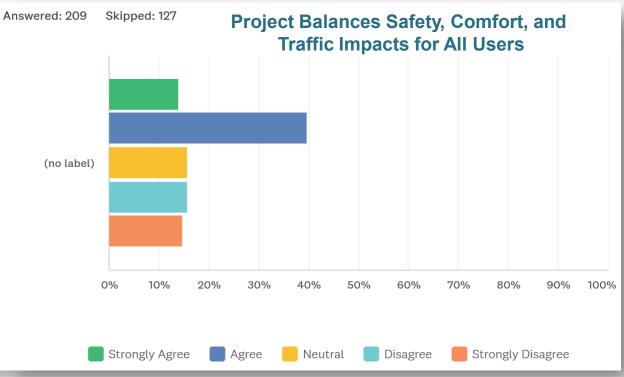




# Design Concepts Online Survey

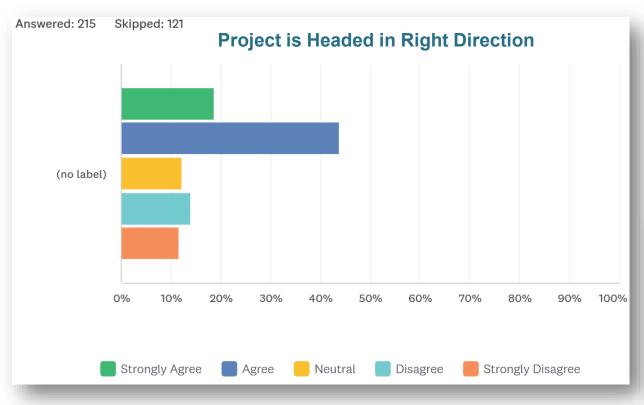
Feedback on draft concepts, open 10/20/21-11/12/21 336 respondents

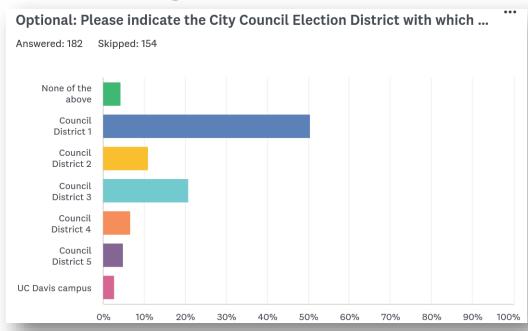


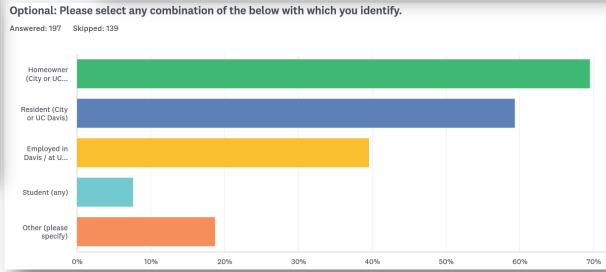


# **Design Concepts Online Survey**

Feedback on draft concepts, open 10/20/21-11/12/21 336 respondents









Spring 2021	Summer 2021	Fall 2021	Winter 2021/2022
Project launch	Corridor Vision	CSC Meeting #2	Public Workshop #3
Existing conditions inventory + analysis	Draft Streetscape Options / Concepting	Public Workshop #2	Review and adopt final Master Plan
CSC Meeting #1	Traffic analysis	Online Survey #2	
Public Workshop #1		Concept refinement	
Online Survey #1		Draft Master Plan	•