

TRANSPORTATION and INFRASTRUCTURE COMMISSION REGULAR MEETING MINUTES

Thursday, February 15th, 2024, 6:15 pm

North Berkeley Senior Center 1901 Hearst Avenue Berkeley, CA, 94709

A. PRELIMINARY BUSINESS

1. Call to order

6:19 pm: Chair Parolek called the meeting to order.

2. Roll call

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o. 19 pm.	
Commissioners Present:	Noelani Fixler, Barnali Ghosh, Adrian Leung, Liza
	Lutzker, Bryce Nesbitt, Karen Parolek, Rick Raffanti, Kim
	Walton, Ray Yep
Commissioners Absent:	None
Staff Present:	Andrew Murray, Wahid Amiri, Hamid Mostowfi, Ron
	Nevels, Ken Jung, Jesse Peoples, Noah Budnick

Public comment on items not on the agenda
 6:20 pm: Three public comments.

4. Approval of minutes from January 18th, 2024

6:29 pm Action: It was Moved / Seconded (Raffanti / Ghosh) to approve the minutes with the following corrections: Commissioner Nesbitt's name was misspelled; at 8:58 pm, Commissioner Walton mentioned a 6:30 pm start time, not motioned for one.

6:30 pm: Vote:

Ayes: Fixler, Ghosh, Leung, Lutzker, Nesbitt, Parolek, Raffanti, Walton, Yep Noes: None Abstain: None Absent: None Recused: None

7:05 pm Motion passed 9-0-0-0-0

5. Approval and Order of Agenda

6:30 pm: No changes suggested.

6. Update on administration and staff

6:31 pm: Transportation Manager Hamid Mostowfi welcomed Acting Public Works Director Andrew Murray and new Deputy Director for Engineering and Transportation Wahid Amiri. Acting Director Murray and Deputy Director Amiri introduced themselves.

> Deputy Director Amiri is now the Commission Secretary. Engineering Manager Ron Nevels and Transportation Manager Mostowfi gave updates on staffing. Transportation Manager Mostowfi also gave updates on the Southside Complete Streets project and nearby construction and on the stop sign recently installed at Hopkins Street and McGee Avenue, as directed by City Council. Engineering Manager Nevels gave updates on building new bus pads on Bancroft Street, the completion of FY23 paving work, using leftover contingency funding from the FY23 paving plan to pave extra streets, including the Woodmont cluster of roads in the Berkeley Hills, 4th Street between Gilman and Camelia and Camelia between 4th and 6th streets, developing the FY24 paving implementation plan and adding the construction of curb ramps to routine sidewalk work.

7. Announcements

6:56 pm: Commissioners introduced themselves to Acting Director Murray and Deputy Director Amiri. In response to a February 2024 crash, where a driver hit a father and his toddler biking to school, Commission Lutzker made a statement about the emotional trauma of bicycle crashes and its ripple effects throughout the community. Commissioner Nesbitt announced new community-collected driver speed data from Rose Street, which was recently repaved, showing that people drive faster on newly repaved roads.

B. DISCUSSION / ACTION ITEMS

1. Chair and Vice Chair elections

7:07 pm: Commissioner Yep nominated Commissioner Lutzker to be chair, and Commissioner Lutzker declined the nomination. Commissioner Nesbitt, who was nominated to be chair at the January 18, 2024 Commission meeting gave a brief statement on why he should be elected chair. Commissioner Fixler, who was nominated to be chair at the January 18, 2024 Commission meeting gave a brief statement on why she should be elected chair.

7:12 pm Action: It was Moved / Seconded (Ghosh / Parolek) to elect Commissioner Fixler as Commission Chair.

7:14 pm: Vote: Ayes: Fixler, Ghosh, Leung, Lutzker, Parolek, Walton Noes: Raffanti, Yep Abstain: Nesbitt Absent: None Recused: None

7:15 pm Motion passed 6-2-1-0-0

7:17 pm Action: It was Moved / Seconded (Leung /Raffanti) to elect Commissioner Parolek as Commission Vice Chair.

7:18 pm: Vote: Ayes: Fixler, Ghosh, Leung, Lutzker, Nesbitt, Parolek, Raffanti, Walton, Yep Noes: None Abstain: None Absent: None Recused: None

7:18 pm Motion passed 9-0-0-0-0

2. Woolsey-Fulton Bicycle Boulevard and Shattuck-MLK Bus Stops Projects

7:20 pm: Public Works staff provided a briefing on the design and implementation timeline of the Woolsey-Fulton Bicycle Boulevard and Shattuck-MLK Bus Stops projects. Staff described their public engagement activities to collect input on the plan, including a project website, mailing over 2,000 postcards to nearby addresses, soliciting public feedback for a month in early 2024, hosting a public meeting on January 31, 2024 and soliciting input at this Transportation and Infrastructure Commission meeting. On pages 2, 6 and 7 of the attached presentation, staff explained that they will not ask the City Council to take action on the concepts when they meet in March 2024. On pages 6 and 7, staff detailed that the Woolsey-Fulton Bicycle Boulevard and Shattuck-MLK Bus Stops projects are part of a larger, grant-funded, affordable housing project, so these projects' design and construction must stay on schedule or else the entire grant, including funding for affordable housing, will be put at risk.

7:54 pm: Commissioners asked clarifying questions about creating daylighting improvements; AC Transit bus headways; Berkeley Fire Department policy on buses blocking travel lanes; how people riding bikes interact with Pedestrian Flashing Beacons (PFBs) and Rapid Rectangular Flashing Beacons (RRFBs); changes to accessible parking; outreach about bus stop amenities; timing of the Adeline corridor project and the amount of grant funding for the project.

8:04 pm: Public comment – Four members of the public spoke.

8:23 pm: Commissioners made comments about the benefits of new, improved lighting; good integration of these projects with other projects; the benefits of new left turn prohibitions for drivers; the benefits of adding speed tables on the bike boulevards; connecting to Oakland's Shattuck Avenue bike route; installing Pedestrian Flashing Beacons at Russell and Shattuck and Rapid Rectangular Flashing Beacons at Russell and Adeline; using video technology to detect bike riders and trigger flashing beacons; coordinating with Sylvia Mendez Elementary School; concerns about the shared space at Adeline and Woolsey; considering installing all-way stops, traffic diverters and median diverters on the bike boulevards; counting drivers on bike boulevards; looking at the Safe Routes to School assessment, SafeTREC complete streets assessment and comments from the City's 2017 bike plan.

8:41 pm Action: It was Moved / Seconded (Parolek / Leung) to extend the meeting to 9 pm.

8:42 pm: Vote: Ayes: Fixler, Ghosh, Leung, Lutzker, Nesbitt, Parolek, Raffanti, Walton, Yep Noes: None Abstain: None Absent: None Recused: None

8:42 pm Motion passed 9-0-0-0-0

8:43 pm: Commissioners made comments about installing better barriers on bike boulevards, such as collapsible bollards; the incongruence between being concerned about driver behavior and not using diverters to deter drivers; improving the intersection of Ashby and Shattuck; the importance of improved lighting and bus stop amenities; clear signs to prohibit drivers from making left turns; the need to figure out how to connect the Shattuck Avenue bike route between Oakland and Berkeley; making improvements at Ashby Avenue and Newberry Street, where a pedestrian was struck by a driver.

8:54 pm Action: It was Moved / Seconded (Parolek / Nesbitt) that the Transportation and Infrastructure Commission strongly supports the conceptual design of the Woolsey-Fulton Bicycle Boulevard and Shattuck-Martin Luther King Jr. Way (MLK) Bus Stops projects as presented and recommends the City Council approve the projects, with the following recommendations:

- 1. Make improvements to the existing diverters on Fulton Street;
- 2. Install Pedestrian Hybrid Beacons on Martin Luther King Jr. Way at Prince Street and on Shattuck Avenue at Russell Street, and switch the planned Rectangular Rapid Flashing Beacons (RRFBs) from those intersections to Adeline Street at Woolsey Street and Adeline Street at Russell Street;
- 3. Implement the best design possible for the safety of people walking and riding bikes at the Woolsey-Shattuck intersection;
- 4. Design the Woolsey-Shattuck intersection to accommodate people riding bikes northbound on Shattuck Avenue to Woolsey Street and on Woolsey Street to southbound Shattuck Avenue to connect Berkeley and Oakland's bicycle networks;
- 5. Investigate adding speed tables to the Fulton Street and Woolsey Street bicycle boulevards; and
- 6. Prioritize bus stop amenities, such as benches and lighting, at all six bus stop locations at the following intersections: Martin Luther King Jr. Way at Prince Street, Shattuck Avenue at Woolsey Street, and Shattuck Avenue at Ashby Avenue.

9:00 pm Action: It was Moved / Seconded (Ghosh / Lutzker) to extend the meeting to 9:10 pm.

9:01 pm: Vote:

Ayes: Fixler, Ghosh, Leung, Lutzker, Nesbitt, Parolek, Raffanti, Yep Noes: Walton Abstain: None Absent: None Recused: None

9:02 pm Motion passed 8-1-0-0-0

9:03 pm: Vote on 8:54 pm action:

Ayes: Fixler, Ghosh, Leung, Lutzker, Parolek, Raffanti, Walton, Yep Noes: Nesbitt Abstain: None Absent: None Recused: None

9:04 pm Motion passed 8-1-0-0-0

Review Commission draft work plan
 9:05 pm: Public comment – One public comment.

C. INFORMATION ITEMS AND SUBCOMMITTEE REPORTS

Subcommittee reports & assignments: verbal reports form subcommittees
 9:06 pm: Vice Chair Parolek reported that the Disaster and Fire Safety Commission invited her to speak at their next commission meeting because they're developing a Vision Zero plan for the Berkeley Fire Department.

9:10 pm: Commissioner Walton left the meeting

9:10 pm Action: It was Moved / Seconded (Lutzker / Fixler) to authorize Vice Chair Parolek to speak on behalf of the Transportation and Infrastructure Commission at the Disaster and Fire Safety Commission's next meeting.

9:10 pm: **Vote**: Ayes: Fixler, Ghosh, Leung, Lutzker, Nesbitt, Parolek, Raffanti, Yep Noes: None Abstain: None Absent: Walton Recused: None

9:10 pm Motion passed 8-0-0-1-0

D. COMMUNICATIONS

9:10 pm: Commissioner Raffanti announced that his term is ending and that this is his last meeting as a Commissioner.

E. ADJOURNMENT

9:11 pm: It was Moved / Seconded (Parolek / Fixler) to close the meeting

9:11 pm: Vote: Ayes: Fixler, Ghosh, Leung, Lutzker, Nesbitt, Parolek, Raffanti, Yep Noes: None Abstain: None Absent: Walton Recused: None

9:11 pm Motion passed 8-0-0-1-0

The next meeting of the Transportation and Infrastructure Commission is scheduled for Thursday, March 21st, 2024 at 6:15 pm, at the North Berkeley Senior Center, 1901 Hearst Ave, Berkeley, CA 94709.

Administrative Procedures

From the City of Berkeley Commissioners' Manual, 2019 Edition, page 70 regarding minutes:

Although the Brown Act does not require minutes, except for closed sessions, the Commissioners' Manual does require minutes of commission meetings but not for subcommittee meetings. When required, minutes are limited to action minutes only. Minutes are unofficial until approved by the commission. The minutes are converted to PDF and posted on the City's website.

The secretary shall keep an accurate record of the commission's proceedings and transactions. The secretary shall provide action minutes similar to those provided to the Council by the City Clerk. Action minutes list the date, time, and place of the meetings; the staff in attendance; the commissioners present and absent; and a clear and concise description of final actions taken. Approved motions are indicated by "moved, seconded, and carried" and include a breakdown of the vote. The vote breakdown includes the commissioners voting yes, no, abstain, absent, recused, and reason for recusal. Reasons for making a motion, debate, content of public comments, and audience reaction are not to be included.

Commission Secretary: Wahid Amiri, Deputy Director, Engineering and Transportation Divisions, Public Works 1947 Center St., 4th Floor, Berkeley, CA, 94704 Telephone (510) 981-7061 / Fax: (510) 981-7060 / TDD: (510) 981-6903 Email: wamiri@berkeleyca.gov



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS

TRANSPORTATION & INFRASTRUCTURE COMMITTEE MEETING FEBRUARY 15, 2024 PUBLIC WORKS DEPARTMENT - TRANSPORTATION DIVISION

<u>Presented by:</u> Ken Jung, Supervising Civil Engineer Jesse Peoples, Associate Civil Engineer





WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **PURPOSE**

- 1. Present Conceptual Design to the TIC
- 2. Respond to Questions by Commissioners
- **3**. Request TIC vote:

Recommend conceptual design for City Council meeting on 3/19/24





WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS PROJECT LOCATION & GOALS

Woolsey-Fulton Bike Blvd. Project (WFBB)

- <u>Safety improvements</u> for pedestrians and bicyclists, especially at major crossings
- <u>Fills gap in Citywide bike network</u>: Ashby BART to Southside area

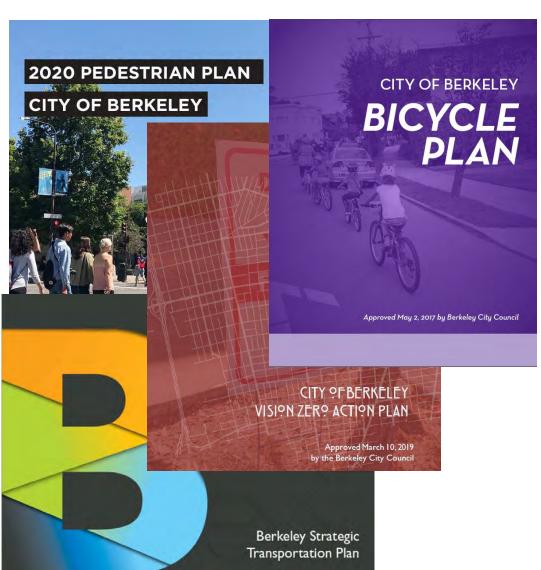
Shattuck-MLK Bus Stops Project (SMBS)

- <u>Safety improvements</u> for pedestrians
- o Improve transit reliability
- o Bus stop amenities





WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **PROJECT ORIGIN**



Project origins can be found in the City's:

- Bicycle Plan
- Pedestrian Plan
- Strategic Transportation Plan
- Vision Zero Action Plan
- Transit-First Policy



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **FUNDING**

- \$2.612M grant from State of California Affordable Housing and Sustainable Communities (AHSC) program
 - ➢WFBB & SMBS Projects are the City's obligation toward AHSC funding for affordable housing private development at Adeline/Ashby.
- Alameda County Measures B& BB discretionary funds







Currently in Conceptual Design phase Conceptual Design Bid & Award Construction

Schedule is subject to change

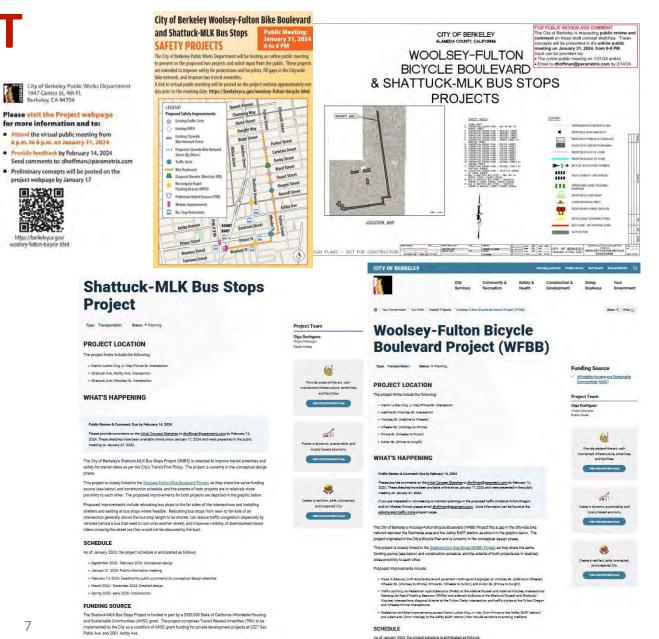
- Finalize concepts in March 2024
- City Council approval of concepts in March 2024
- Complete design by end of 2024
- Construction in 2025

Must complete construction by Q1 2026



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS PUBLIC ENGAGEMENT City of Berkeley Woolsey-Fulton Bike Boulevard and Shattuck-MLK Bus Stops SAFETY PROJECTS SAFETY PROJECTS City of Berkeley Woolsey-Fulton Bike Boulevard and Shattuck-MLK Bus Stops SAFETY PROJECTS SAFETY PROJECTS City of Berkeley Woolsey-Fulton Bike Boulevard and Shattuck-MLK Bus Stops SAFETY PROJECTS City of Berkeley Woolsey-Fulton Bike Boulevard and Shattuck-MLK Bus Stops SAFETY PROJECTS City of Berkeley Woolsey-Fulton Bike Boulevard and Shattuck-MLK Bus Stops SAFETY PROJECTS City of Berkeley Woolsey-Fulton Bike Boulevard and Shattuck-MLK Bus Stops SAFETY PROJECTS City of Berkeley Woolsey-Fulton Bike Boulevard City of Berkeley Wools

- Project websites
- Postcards to 2,000+ addresses
- Concepts for review and comment:
 - 1/16/24 2/14/24
- Public meeting on 1/31/24
- TIC meeting on 2/15/24
- Council meeting on 3/19/24



Other project funding includes Alameda County Measure BB (Local Streets & Roads) discretionary funds, as



8

Comment: Significant opposition to the proposed diverter at Fulton/Derby.

- <u>City</u>: Removed from project scope
- Diverter intended to balance vehicle volumes at intersection of 2 proposed bike boulevards

Will be studied in more detail as part of a future Derby bike boulevard





9

Comment: Why don't the conceptual designs for Shattuck/Russell and Shattuck/Woolsey follow the recommendations in the Bike Plan?

- <u>City</u>: Bike Plan recommends Median + RRFB
- Bike Plan provides <u>recommendations</u> at a planning level to be evaluated on a projectspecific basis
- Space constraints at both intersections preclude installation of median refuges
- Proposed bulbouts should slow traffic and improve sightlines





10

Comment: Consider installing 4-ways stops at Shattuck/Russell and Shattuck/Woolsey.

 City: Consider context, resulting vehicle behavior, congestion, collision history
 Upcoming Bike plan revision aims to address policy of 4-way stops along bikeways





11

Comment: Can a PHB be installed at Shattuck/Russell?

- City: PHBs typically used for locations with multiple lane approaches
- Shattuck/Russell is intersection of 2 two-lane streets
- RRFB more appropriate at this location
 Will look into relocating PHB to
 - Shattuck/Russell and RRFB to Adeline/Russell





<u>Comment</u>: Consider installing mid-block speed tables on every block of the proposed bike boulevard.

City: Require speed studies, consider emergency vehicles

Can review during detailed design phase

Several intersections have or will have traffic circles (5 in 7 blocks)





WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **DESIGN CONSIDERATIONS**

Fire Department

- Minimum lane width
- Roadway clear space
- Emergency access routes
- Response times
- Vehicle turning/maneuverability

Access for other large vehicles

- AC Transit buses
- Waste collection trucks
- School buses





WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **DESIGN ELEMENTS**





Bicycle Boulevard



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **DESIGN ELEMENTS - TOOLBOX**



Traffic Circle

Median Improvements



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **DESIGN ELEMENTS - TOOLBOX**



Pedestrian Hybrid Beacons (PHBs)



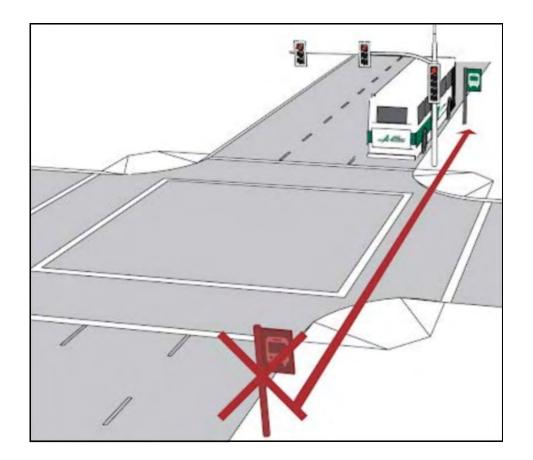
Rectangular Rapid Flashing Beacons (RRFBs)



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **DESIGN ELEMENTS - TOOLBOX**



Sidewalk Bulb Out



Bus Stop Relocation



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS OVERVIEW OF PROPOSED IMPROVEMENTS





WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS FULTON STREET CORRIDOR



Bike Boulevard
 Traffic calming

 Traffic circles

 Pavement markings
 Wayfinding signage



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS FULTON STREET CORRIDOR – TRAFFIC CIRCLES



- Traffic Circles at Fulton/Oregon and Wheeler/Prince intersections
- Slows vehicles
- Near Sylvia Mendez Elementary School

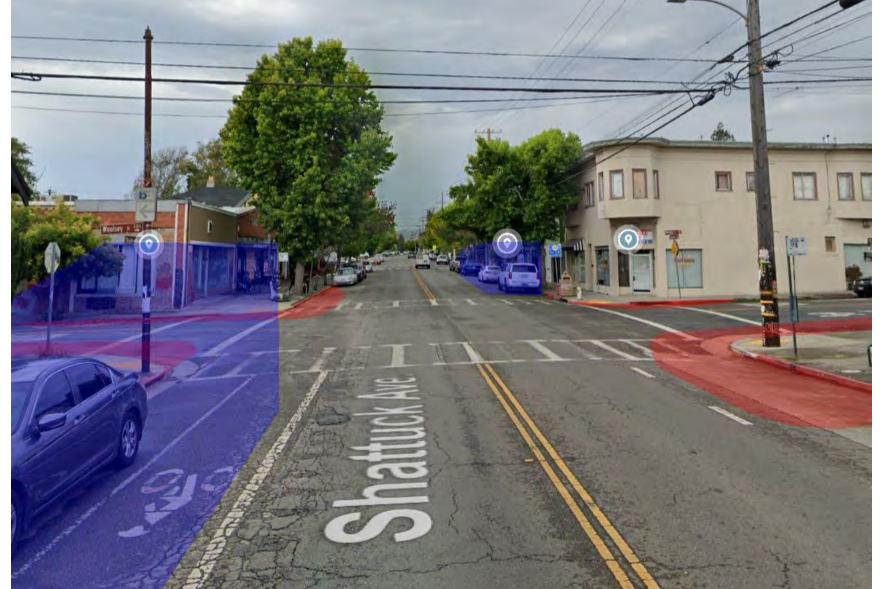


WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS WOOLSEY STREET CORRIDOR – WOOLSEY/SHATTUCK



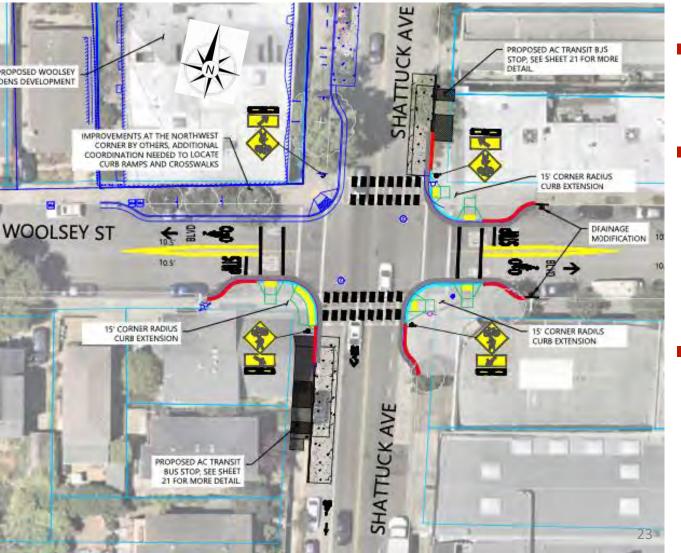
- RRFBs and sidewalk bulbouts at Woolsey/Shattuck intersection
- Woolsey St. is a proposed Bicycle Boulevard
- Bus stop relocations to far sides of intersection

WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS WOOSLEY STREET CORRIDOR – WOOLSEY/SHATTUCK





WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS WOOSLEY STREET CORRIDOR – WOOLSEY/SHATTUCK



- RRFB buttons at curb ramps and reachable by bicyclists
- Bus Stops move to far sides of intersection on Shattuck Ave.
 - Bus stop amenities TBD depending on available space
- Coordinating with development project at northwest corner



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS WOOSLEY STREET CORRIDOR – WOOLSEY/SHATTUCK



Infeasible to install a median refuge due to space constraints:

- Bus stops
- Curb extensions at NW corner
- Turn movements for emergency and solid waste vehicles



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS WOOLSEY STREET CORRIDOR – WOOLSEY/ADELINE



- PHB/RRFB and median improvements at Woolsey/Adeline intersection
- Consider future Adeline Corridor project
- Connection to Ashby BART station
- Coordinating with upcoming BART bicycle access improvements work at Ashby station

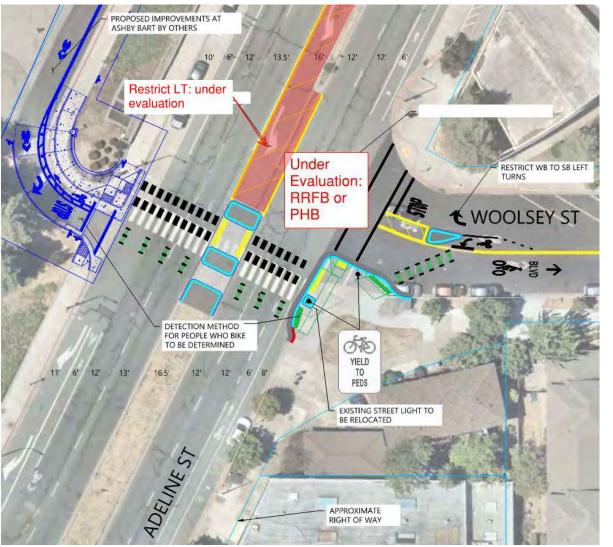


WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **WOOSLEY STREET CORRIDOR – WOOLSEY/ADELINE**





WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS WOOSLEY STREET CORRIDOR – WOOLSEY/ADELINE



- PHB is per recommendation in Bicycle
 Plan
 - Evaluated for suitability at this intersection
 - Considering RRFB (swap PHB/RRFB with MLK/Prince)
 - Future Adeline project
- Left turn restriction on westbound Woolsey
 - Evaluating potential left turn restriction on southbound Adeline
- Separated pedestrian and bike crossing
 ²⁷ across Adeline



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **MLK/PRINCE INTERSECTION**



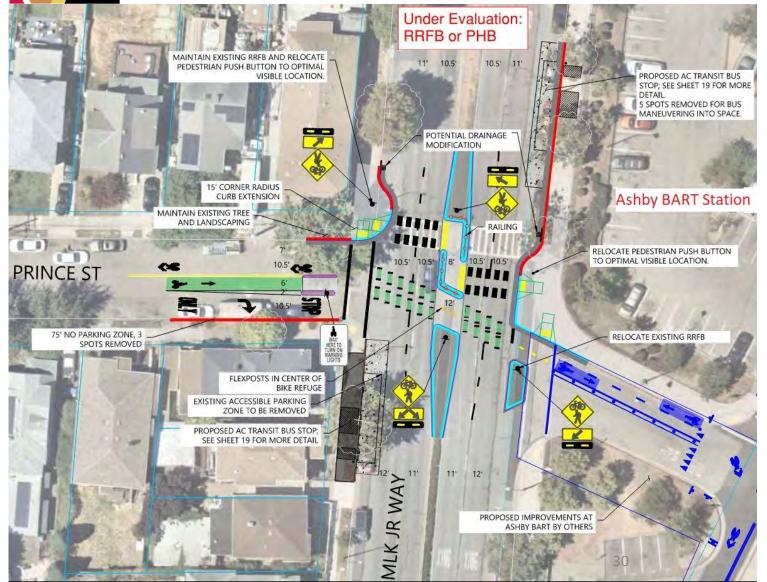
- Reuse existing RRFBs
- Considering PHB (swap PHB/RRFB with Adeline/Woolsey)
- Median refuges and sidewalk bulbouts
- Bus stop relocations to far sides of intersection



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **MLK/PRINCE INTERSECTION**



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS **MLK/PRINCE INTERSECTION**



- Widen median: pedestrian and bike refuges
- Offset crosswalk
- Sidewalk bulbouts shorten crossing distances
- Coordinating with upcoming BART access improvements at Ashby station
- Bus stop amenities TBD depending on available space



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS RUSSELL STREET CORRIDOR – RUSSELL/SHATTUCK



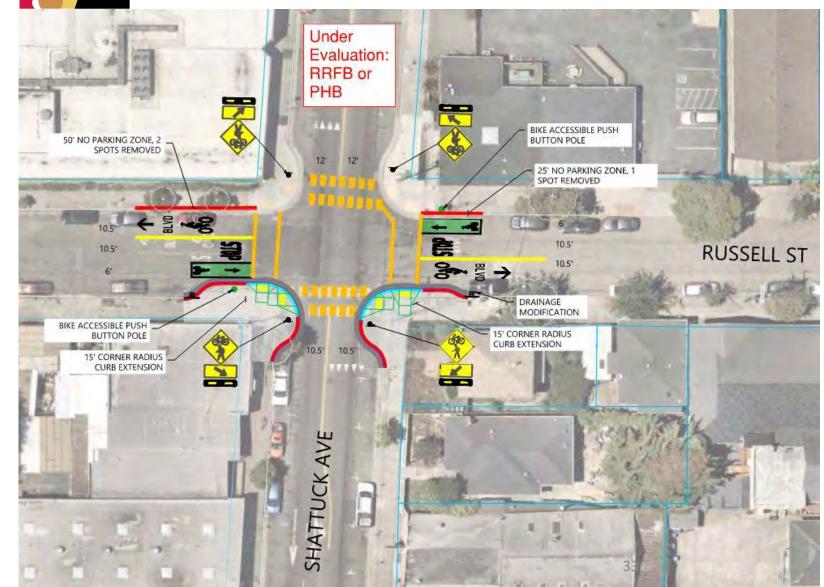
- RRFBs and sidewalk bulbouts at Russell/Shattuck intersection
 - ➢ RRFBs appropriate for use
- Considering PHB (swap PHB/RRFB with Adeline/Russell)
 PHB not ideal
- Russell St. is a Bicycle Boulevard



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS RUSSELL STREET CORRIDOR – RUSSELL/SHATTUCK



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS RUSSELL STREET CORRIDOR – RUSSELL/SHATTUCK



- Existing curb ramps at northwest and northeast corners
- New curb ramps at southwest and southeast corners
- RRFB buttons at curb ramps and reachable by bicyclists



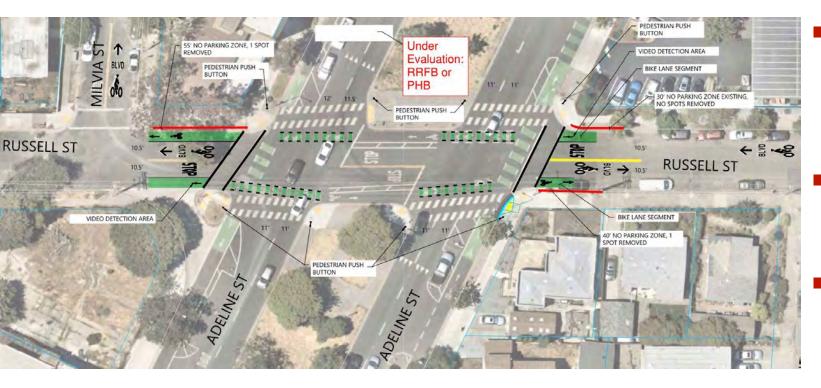
WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS RUSSELL STREET CORRIDOR – RUSSELL/ADELINE



- PHB at Russell/Adeline intersection
- PHB is per recommendation in Bicycle Plan
 - Evaluated for suitability at this intersection
- Considering RRFB (swap RRFB/PHB with Shattuck/Russell)
 - > Depends in part on operational issues
- Russell St. is a Bicycle Boulevard



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS RUSSELL STREET CORRIDOR –RUSSELL/ADELINE



- Long crossing evaluating one- vs. two-stage PHB/RRFB activation
- Consider multiple conflict points and width of median
- Connects to Milvia St. Bicycle Boulevard and Adeline St. bike lanes



WOOLSEY-FULTON BIKE BOULEVARD & SHATTUCK-MLK BUS STOPS SAFETY PROJECTS

FOR MORE INFORMATION

• WFBB Project Website

https://berkeleyca.gov/your-government/our-work/capital-projects/woolsey-fulton-bicycle-boulevard-project-wfbb

• SMBS Project Website

https://berkeleyca.gov/your-government/our-work/capital-projects/shattuck-mlk-bus-stops-project