

SANTA CRUZ COUNTY RTC BICYCLE ADVISORY COMMITTEE MEETING

SOQUEL DRIVE BUFFERED BIKE LANES AND CONGESTION MITIGATION PROJECT

AUGUST 9, 2021



County of Santa Cruz *California*
Serving the Community ~ Working for the Future

MARK
THOMAS

PRESENTERS

Russell Chen, PE

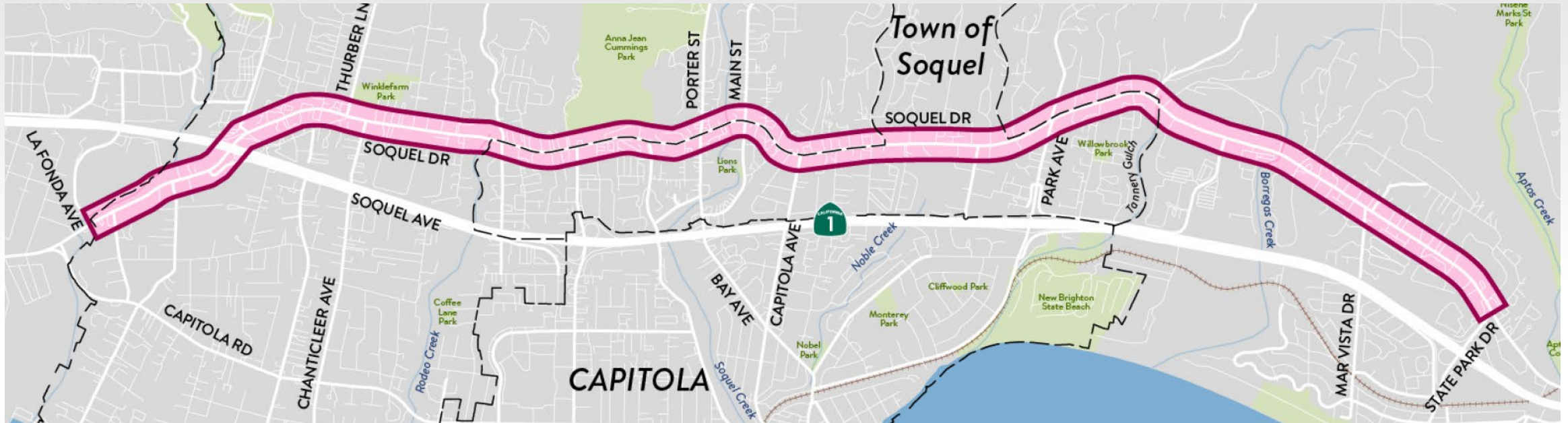
Santa Cruz County Public Works
Traffic Division

Shawn O’Keefe, PE, QSD

Consultant Project Manager
Mark Thomas



EXISTING CONDITIONS



- 4-Lane Roadway (w/ 2-way left turn lane)
- High volumes and high speeds
- Transit reliability challenges and inadequate stops
- Pedestrian network gaps and ADA ramp inconsistencies

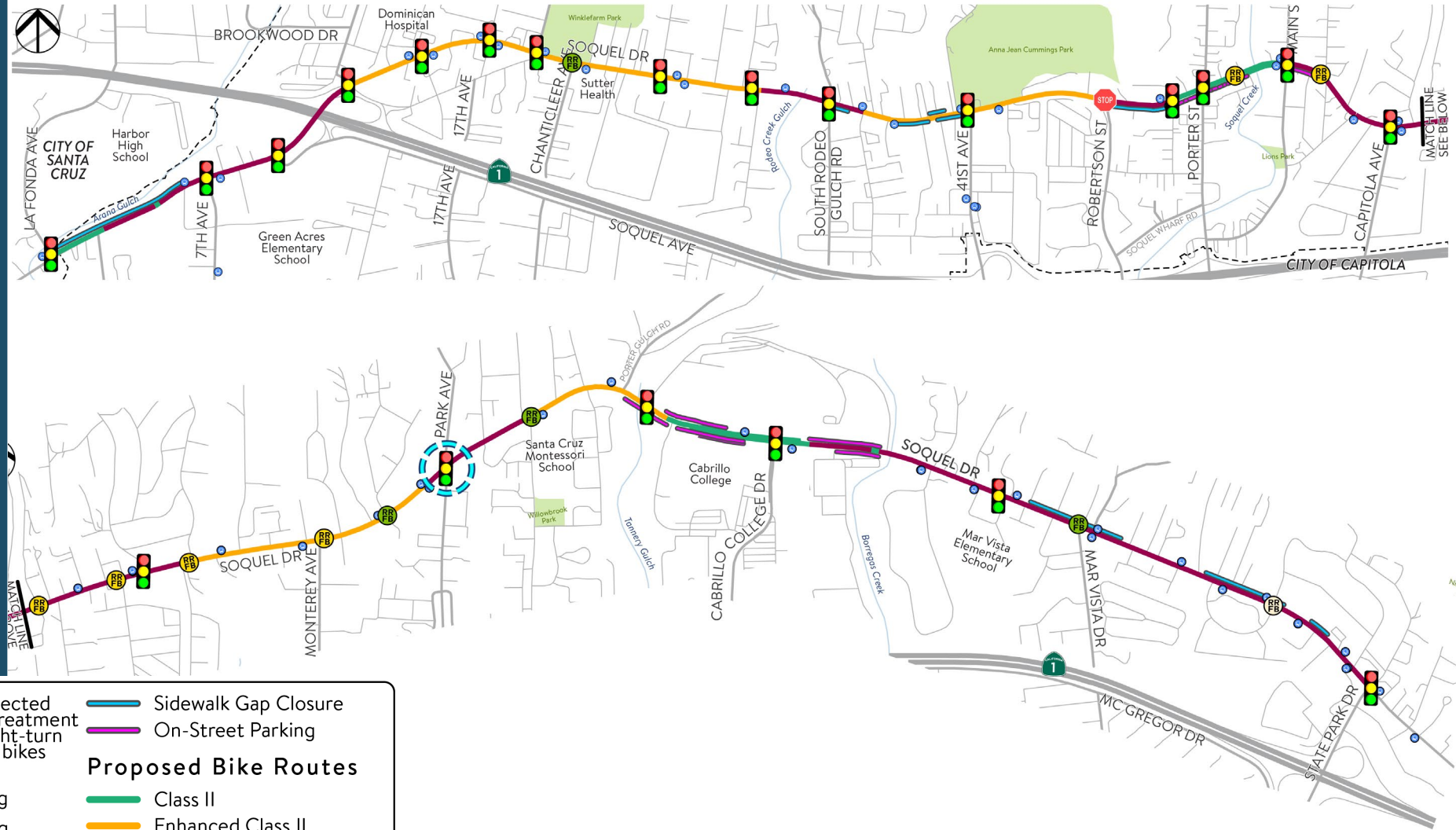


PROJECT GOALS

- Reduce traffic congestion and improve safety for all modes of travel
- Enhance multimodal options to increase corridor throughput
- Reduce greenhouse gas emissions
- Improve emergency response time
- Improve access to housing, jobs, schools and medical facilities
- Improve active transportation connectivity
- Promote sustainable development and livable communities



PROJECT OVERVIEW



LEGEND

Santa Cruz Metro Bus Stop

Signalized Intersection

Stop-Controlled Intersection

Consider protected intersection treatment to prevent right-turn conflicts with bikes

Install RRFB at existing crossing

Existing crossing with RRFB

Install RRFB at new crossing

Sidewalk Gap Closure

On-Street Parking

Proposed Bike Routes

Class II

Enhanced Class II

Class IV / Buffered Class II



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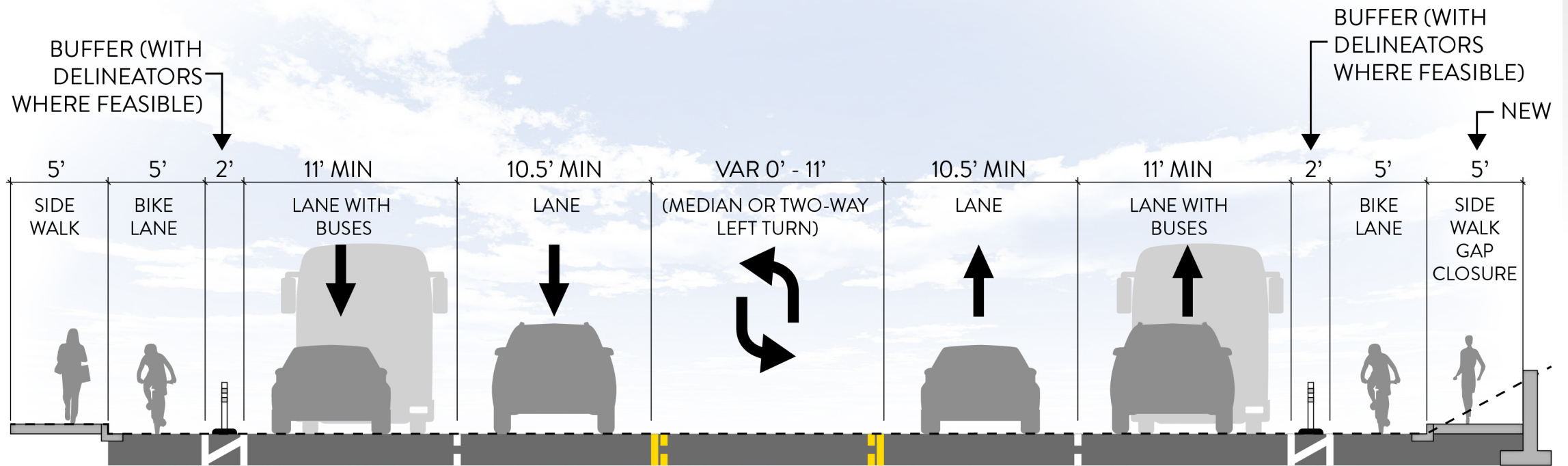
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PROJECT FEATURES

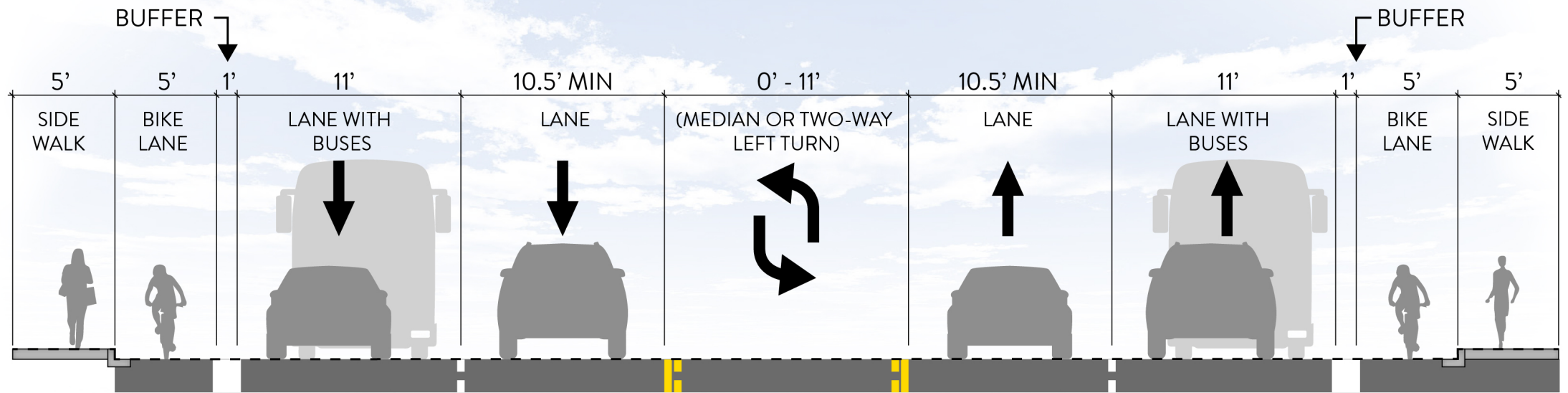
- 3.2 miles of separated bike lanes, Class IV (2-foot buffer with delineators)
- 6.8 miles of buffered bike lanes, Class II (1-foot to 2-foot buffer)
- 28 bike boxes (one and two-stage)
- Transit signal priority and adaptive signal control at 23 intersections
- 0.6 miles of sidewalk gap closures
- 0.3 miles of sidewalk reconstruction
- 94 reconstructed ADA ramps
- 70 crosswalk upgrades
- 10 mid-block crosswalk RRFB's (rectangular rapid flashing beacons)
- Pavement rehabilitation (cape seal)



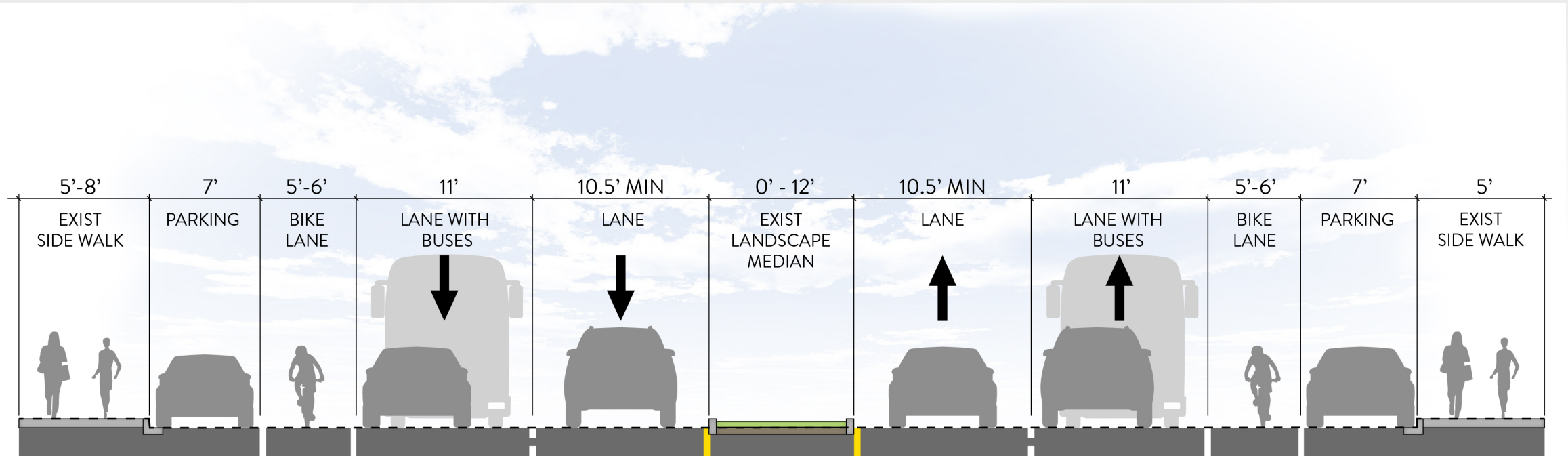
TYPICAL CROSS-SECTIONS (BUFFERED CLASS II & IV)



TYPICAL CROSS-SECTIONS (CLASS II+)



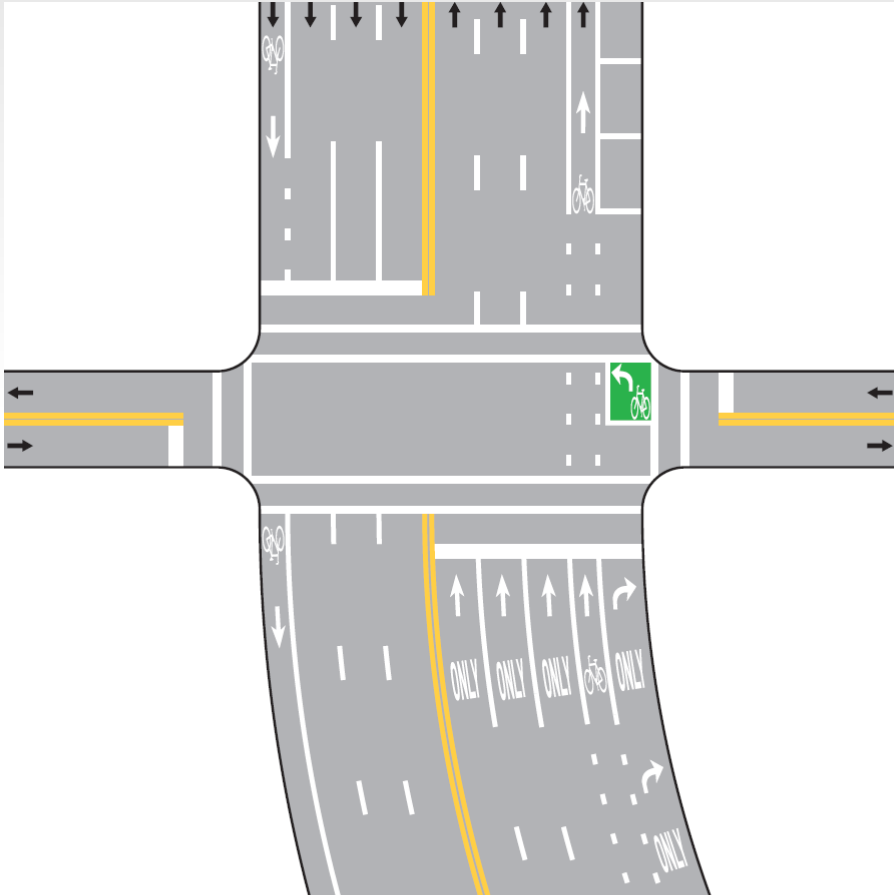
TYPICAL CROSS-SECTIONS (CLASS II w/PARKING)



INTERSECTION TREATMENTS – BIKE BOX



INTERSECTION TREATMENTS – TWO-STAGE BIKE BOX



PROJECT BUDGET

Description	Current Planned Construction Budget (MM)	Anticipated Construction Cost (MM)
SB-1 Congested Corridors Grant	\$16.5	
County Funds	\$3.5	
Conceptual Cost Estimate (Aug 2021)		\$22.8
TOTAL	\$20.0	\$22.8
SHORTFALL		-\$2.8



PROJECT SCHEDULE

- Preliminary Engineering complete – September 2021
- Final Design complete – February 2022
- Right of Way Acquisition complete – Spring 2022
- Start Construction – Summer 2022



THANK YOU!

