

Lake Washington Boulevard Renovations Project

Design Concepts – Spring 2024



Project Webpage:

<https://www.seattle.gov/parks/about-us/projects/lake-washington-boulevard-renovations>

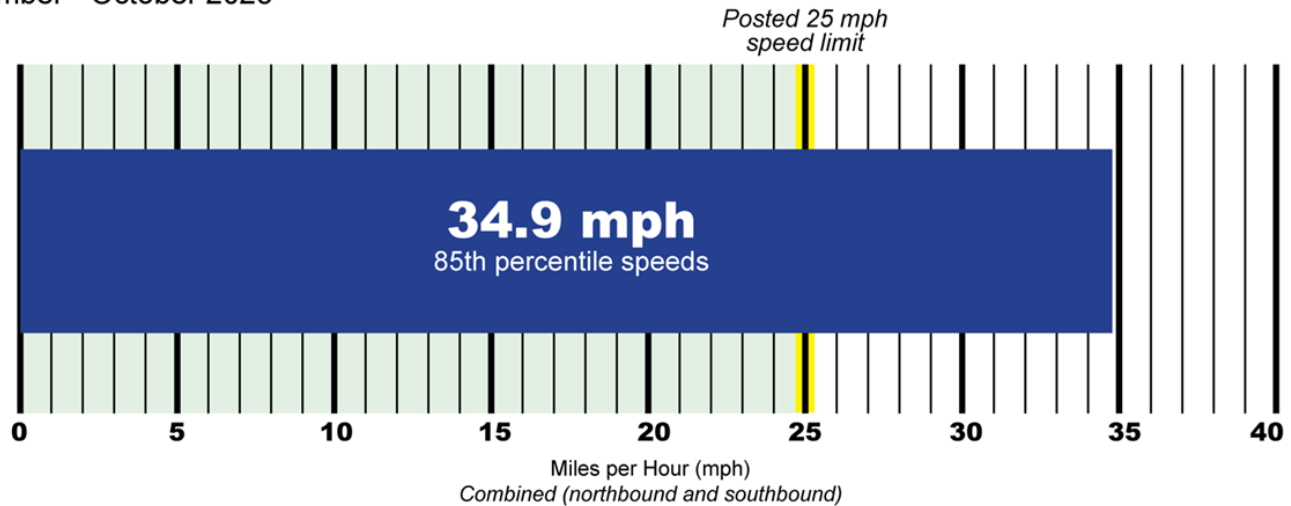


Seattle
Parks & Recreation

Data Analysis - Speed

Lake Washington Boulevard Average Vehicle Speed

September - October 2023



People are driving too fast on Lake Washington Boulevard.

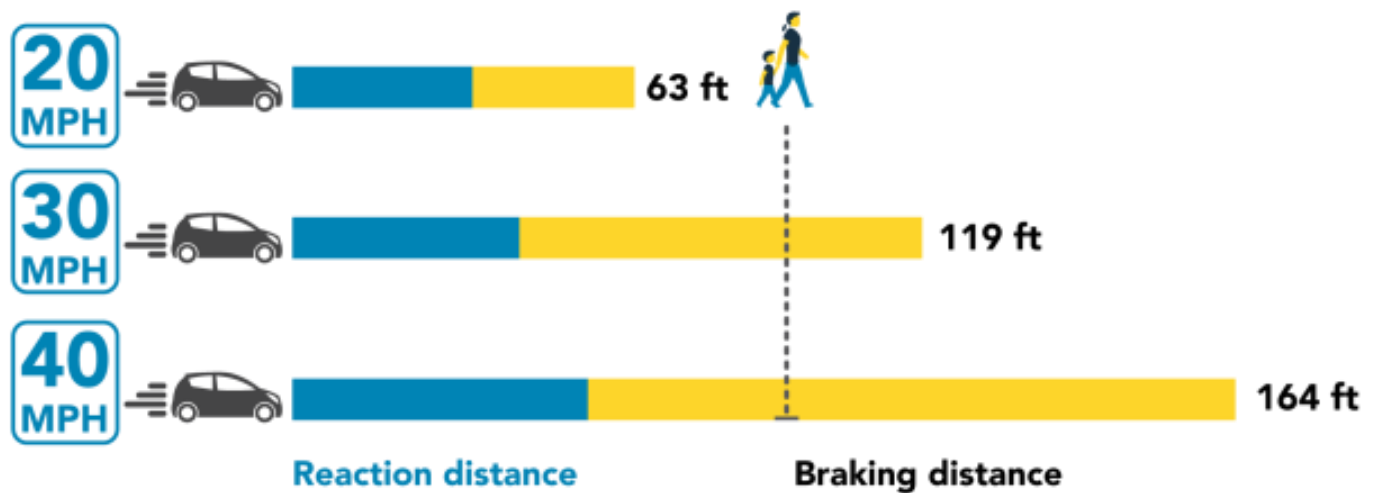
According to our latest data collection, people driving vehicles on average are driving close to 10 miles over the posted 25 mph speed limit. The 85th percentile of vehicle speeds recorded was 34.9 mph, with outlier speeds reaching up to 73.3 mph.



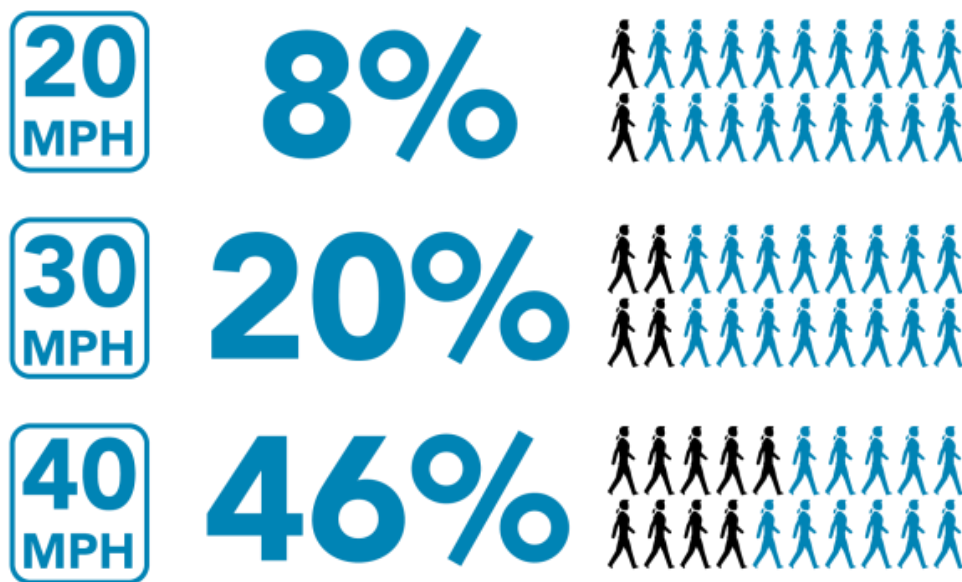
Higher speeds reduce a driver's field of vision.

Source: NACTO Urban Street Design Guide (2013)

Data Analysis - Speed



Higher speeds increase a driver's reaction time & braking distance.
Source: National Highway Traffic Safety Administration (2015)



Likelihood of death for people walking if hit at these speeds

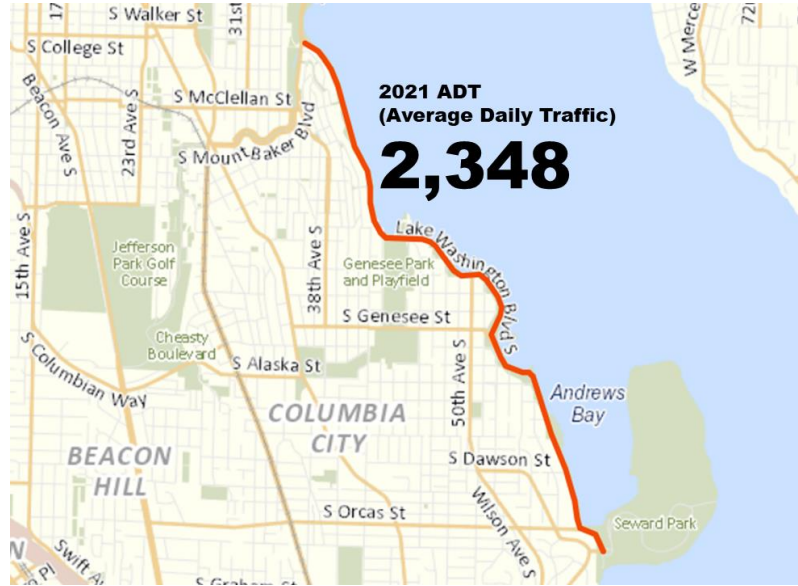
Source: AAA Foundation, Tefft, B.C. (2011)

Higher vehicle speeds significantly increase likelihood of death

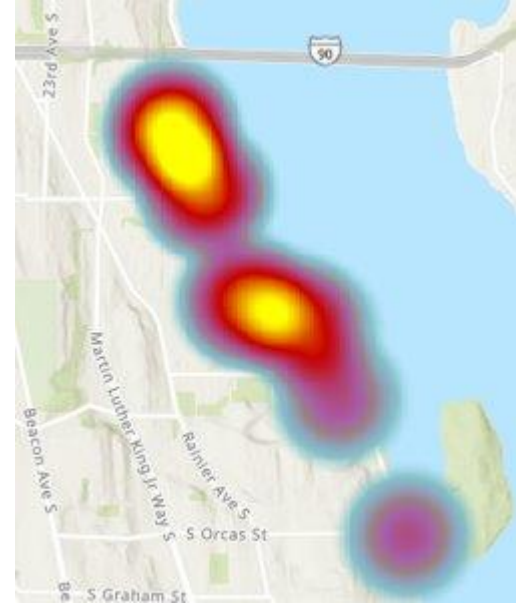
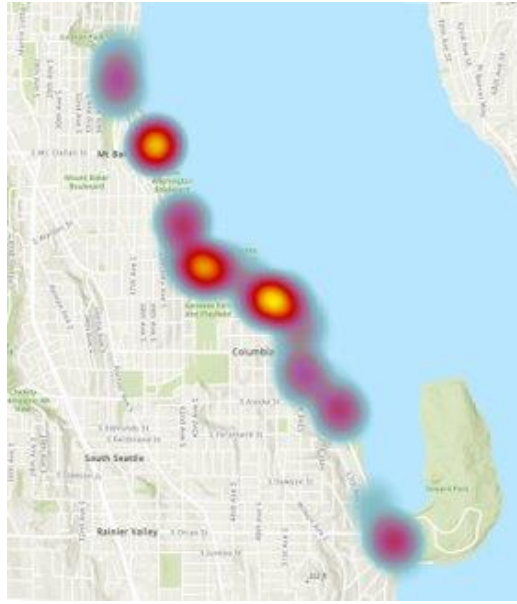
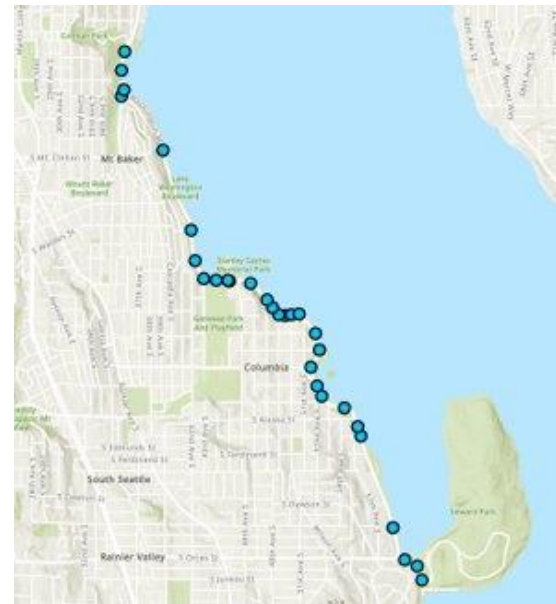
(Source: Vision Zero Network)

Data Analysis

Traffic Volume



Collision Data



Collisions (2018 – 2023)
All transportation modes

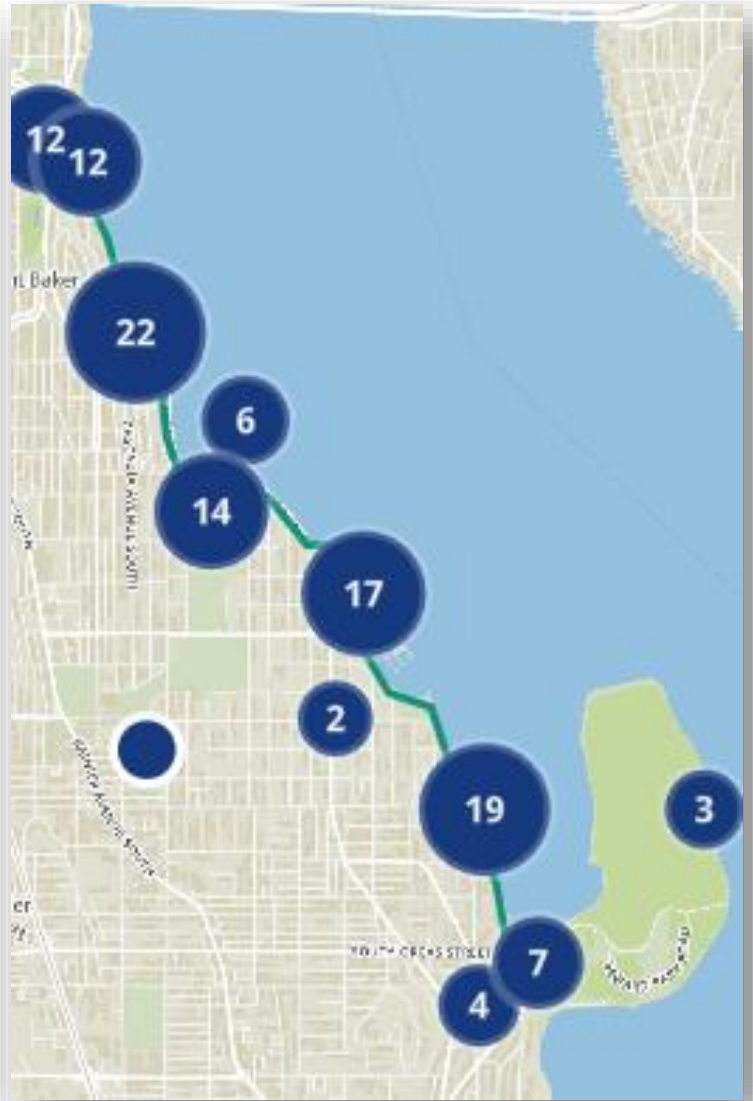
Collisions Heat Map
All transportation modes

Collisions Heat Map
Pedestrians & Cyclists

Community Input



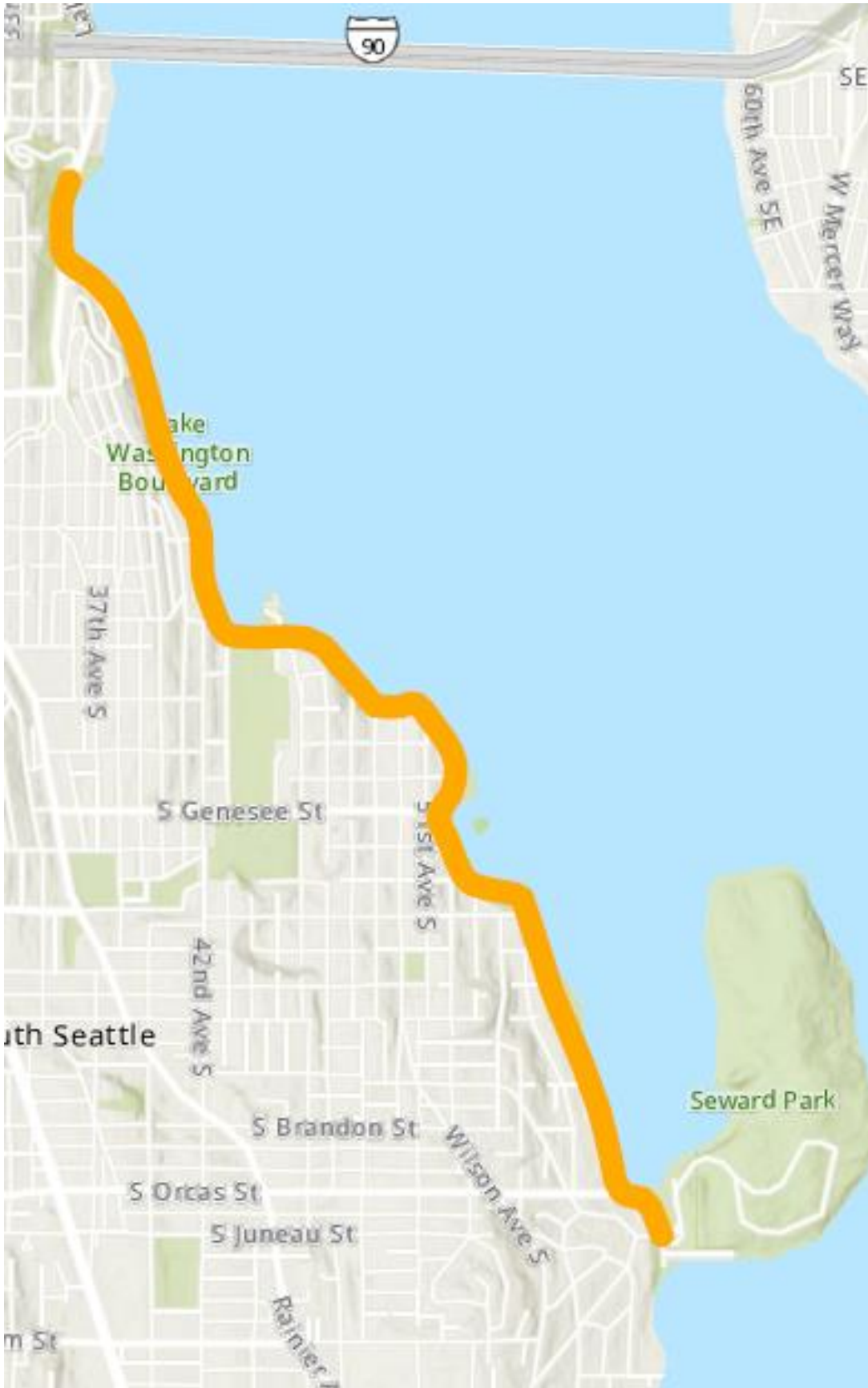
In-person



Virtual



Project Snapshot



All-way stop
(Lake Park Dr S)

Speed cushions
(Throughout)

Horizontal curve safety treatment
(Select locations)

New benches
(Select locations)

New crossing, curb extension
(43rd Ave S)

New crossing
(49th Ave S)

Curb extension
(51st Ave S)

New crossing
(S Adams St)

New crossing, paved connection
(S Ferdinand St)

New crossing, painted walkway
(S Genesee Way)

Intersection redesign
(S Orcas St)

Boulders – Horizontal Curve Safety Treatment



We are proposing installing boulders in strategic locations to accomplish two project goals:

1) Implement at curves to prevent cars from driving off the roadway.

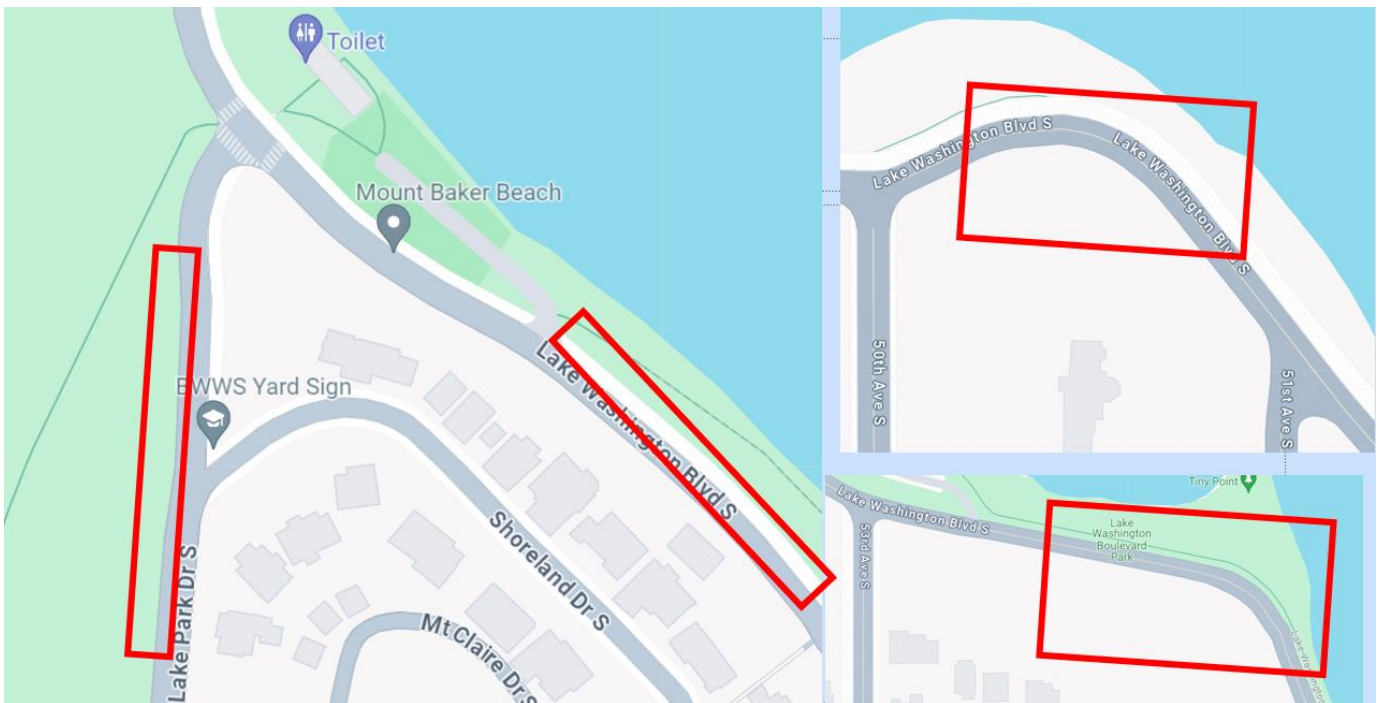
Between 50th & 51st Avenues

Between S Alaska St & 53rd Ave S

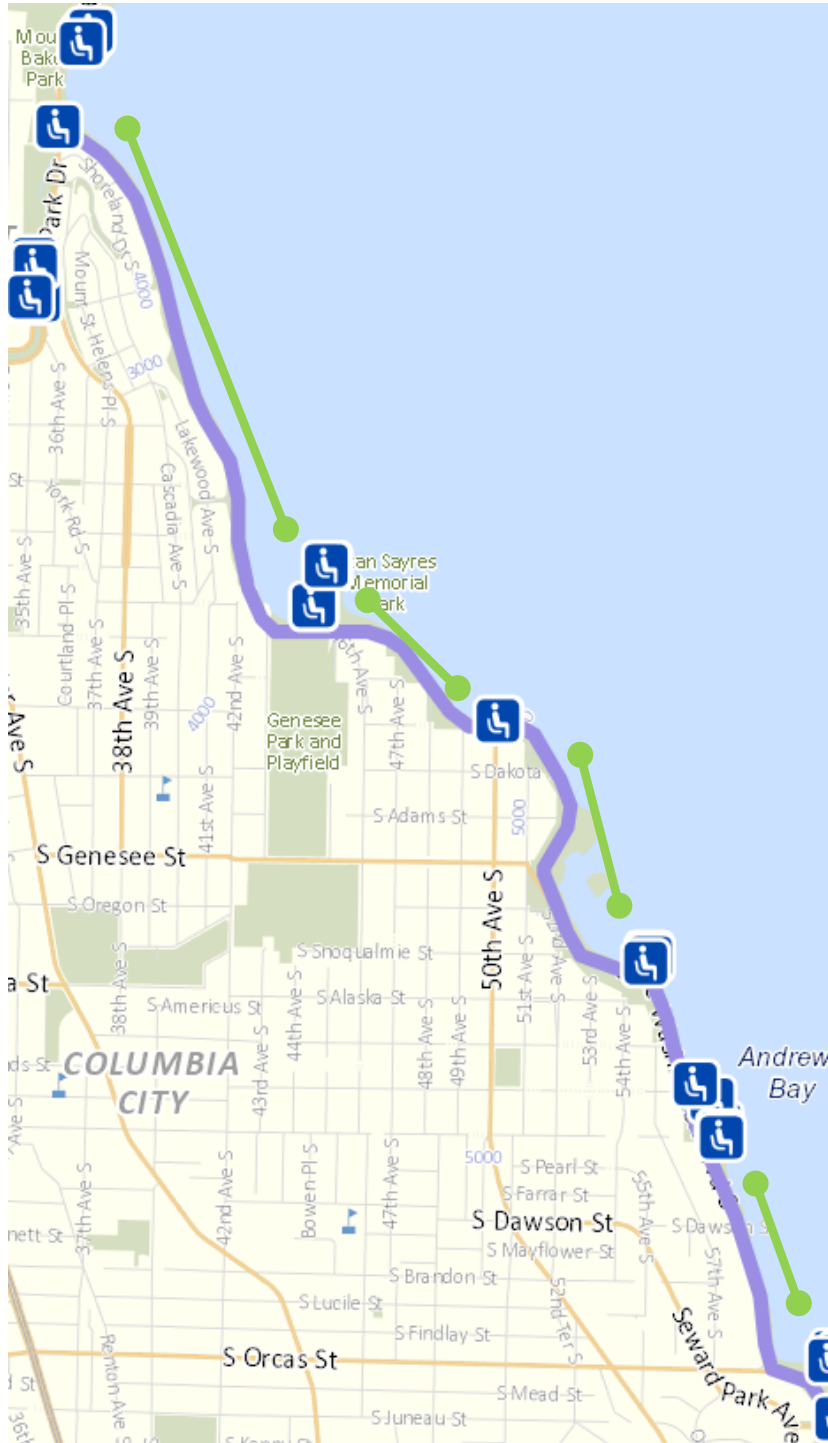
2) Deter illegal parking between the trees.

Mount Baker Beach Parking lot overflow on Lake WA Blvd

Lake Park Drive S



Benches – Pedestrian Infrastructure




**bench gap area
(potential locations)**

Opportunity to partner with Seattle Parks Foundation bench donation program.

Lake Park Drive South



Proposed: All-Way Stop

Add stop signs on Lake WA Blvd for northbound and southbound traffic.

Stop-Controlled Intersections:

- +Lowers risk for pedestrians and people on bicycles.
- +Supports crossing opportunities.
- +Improves predictability.

43rd Avenue South



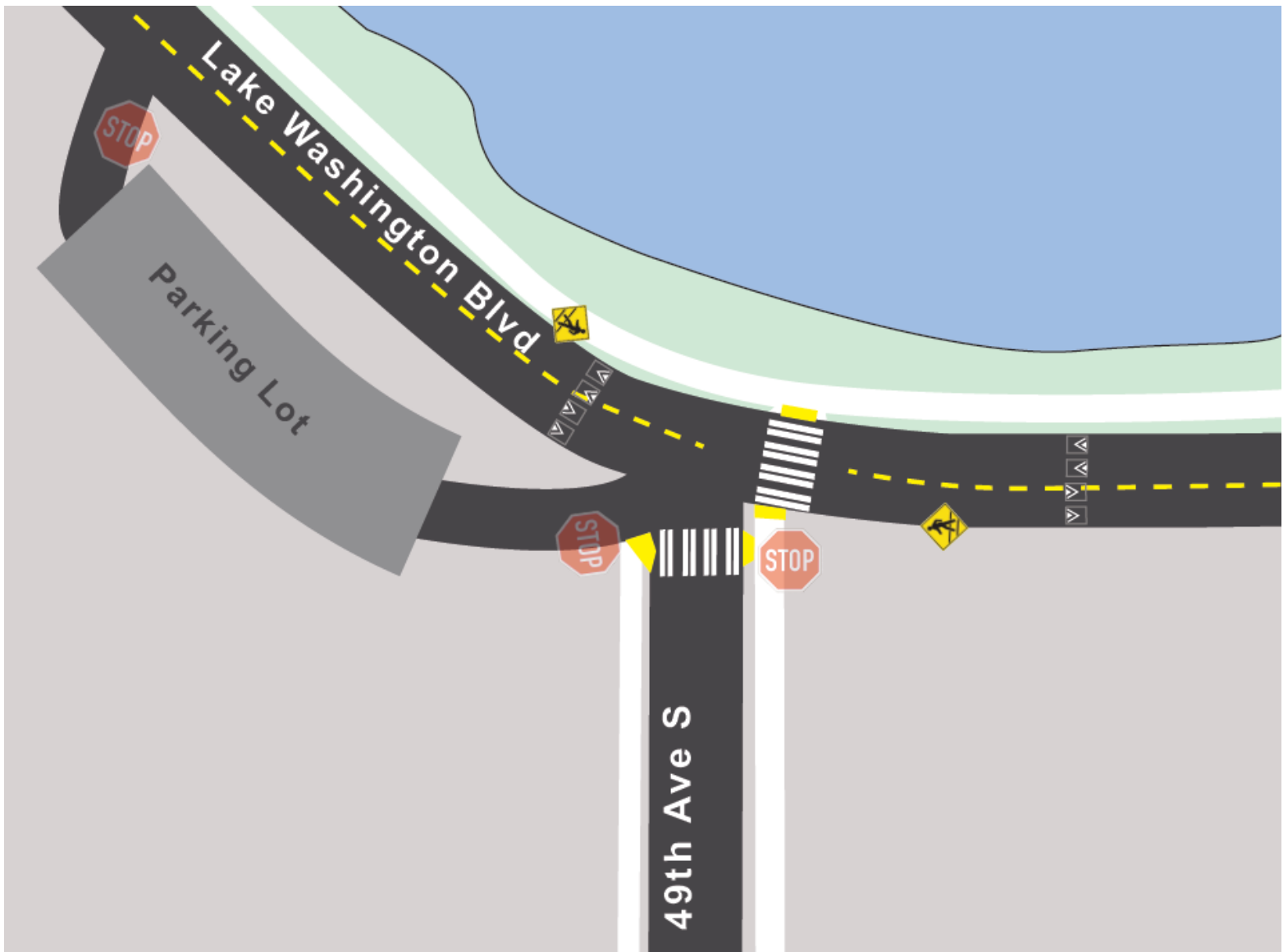
Proposed: Marked crossing, curb extensions, speed cushions, connecting trail

Add speed cushions on Lake WA Blvd for northbound and southbound traffic to support new marked crossing at 43rd Ave S.

Narrow and align intersection with paint-and-post curb extensions.

- +Slower vehicle speeds support crossing safety
- +Curb extensions encourage calmer turning speeds
- +New gravel trail creates connection to Genesee Park trails

49th Avenue South

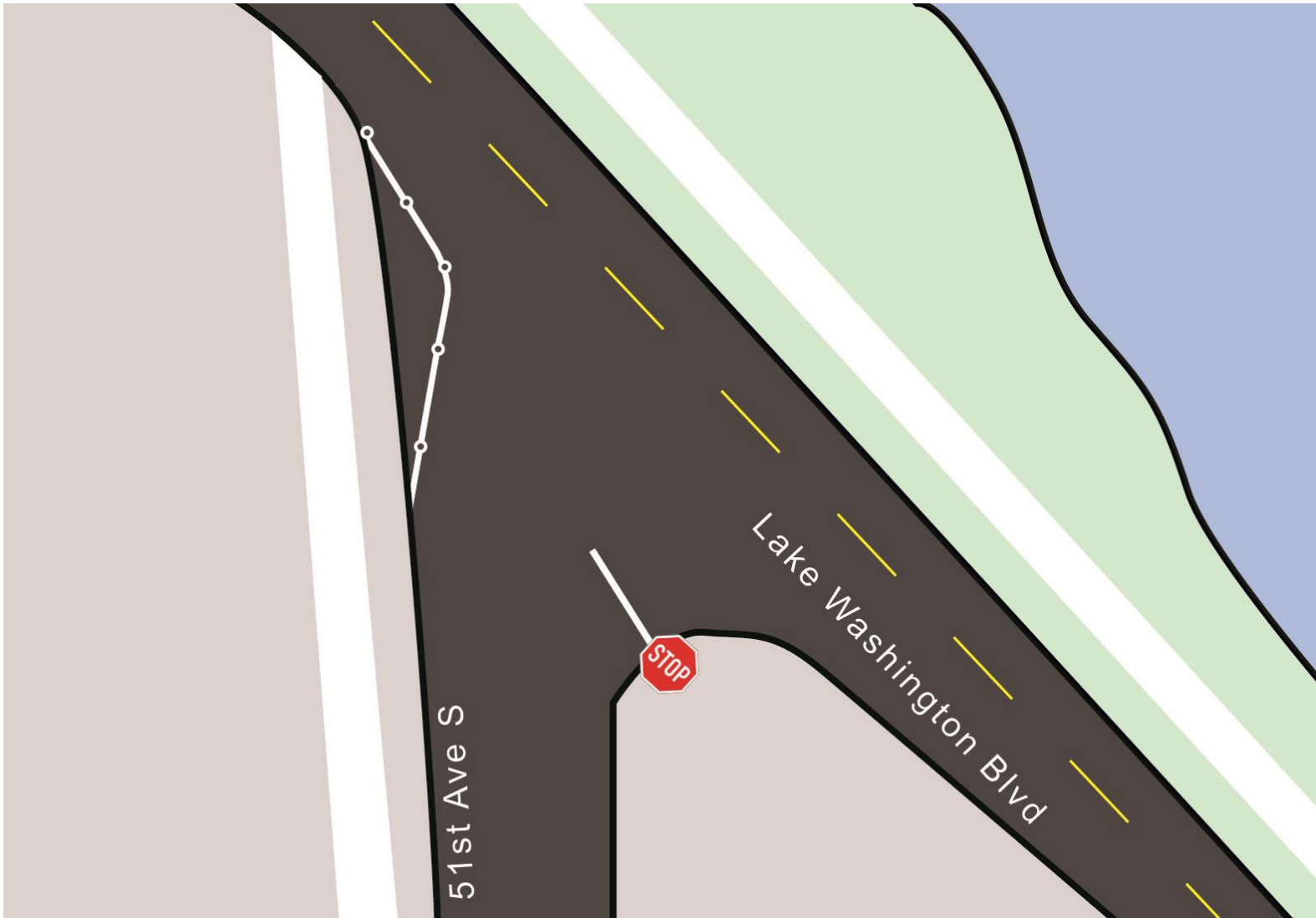


Proposed: Marked crossing, speed cushions

Add continental crosswalk to Lake WA Blvd and to 49th Ave S.
Add speed cushions on Lake WA Blvd for northbound and southbound traffic to support new marked crossings.

- +Slower vehicle speeds support crossing safety.
- +Enhanced pedestrian connection to increase access to lakeshore.

51st Avenue South

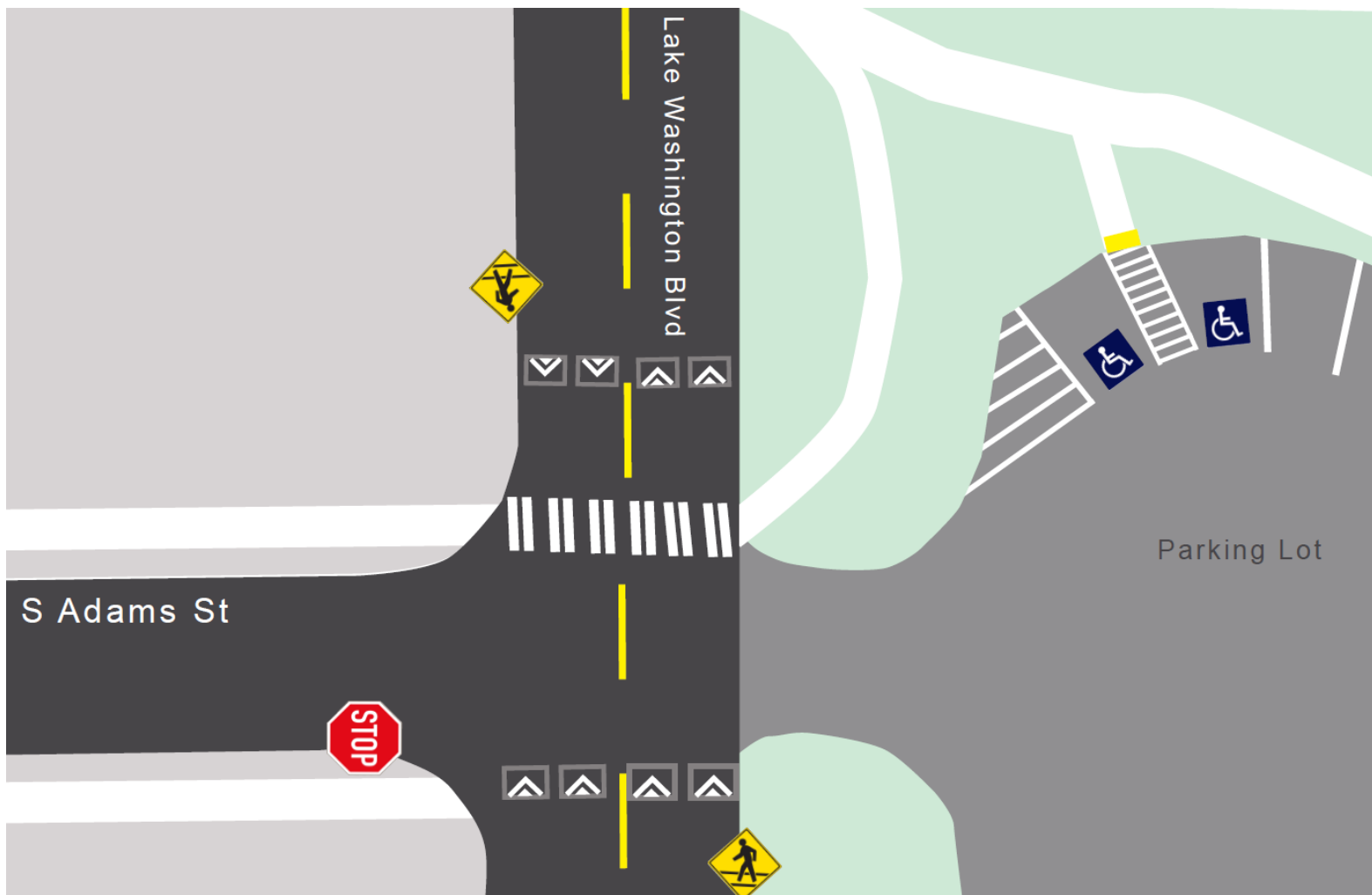


Proposed: Curb extension

Add paint and post curb extension to narrow and align intersection.

- +Curb bulb shortens length of intersection and calms turning radius.
- +Encourages slower vehicle speeds.

South Adams Street



Proposed: Marked crossing, speed cushions, connecting path

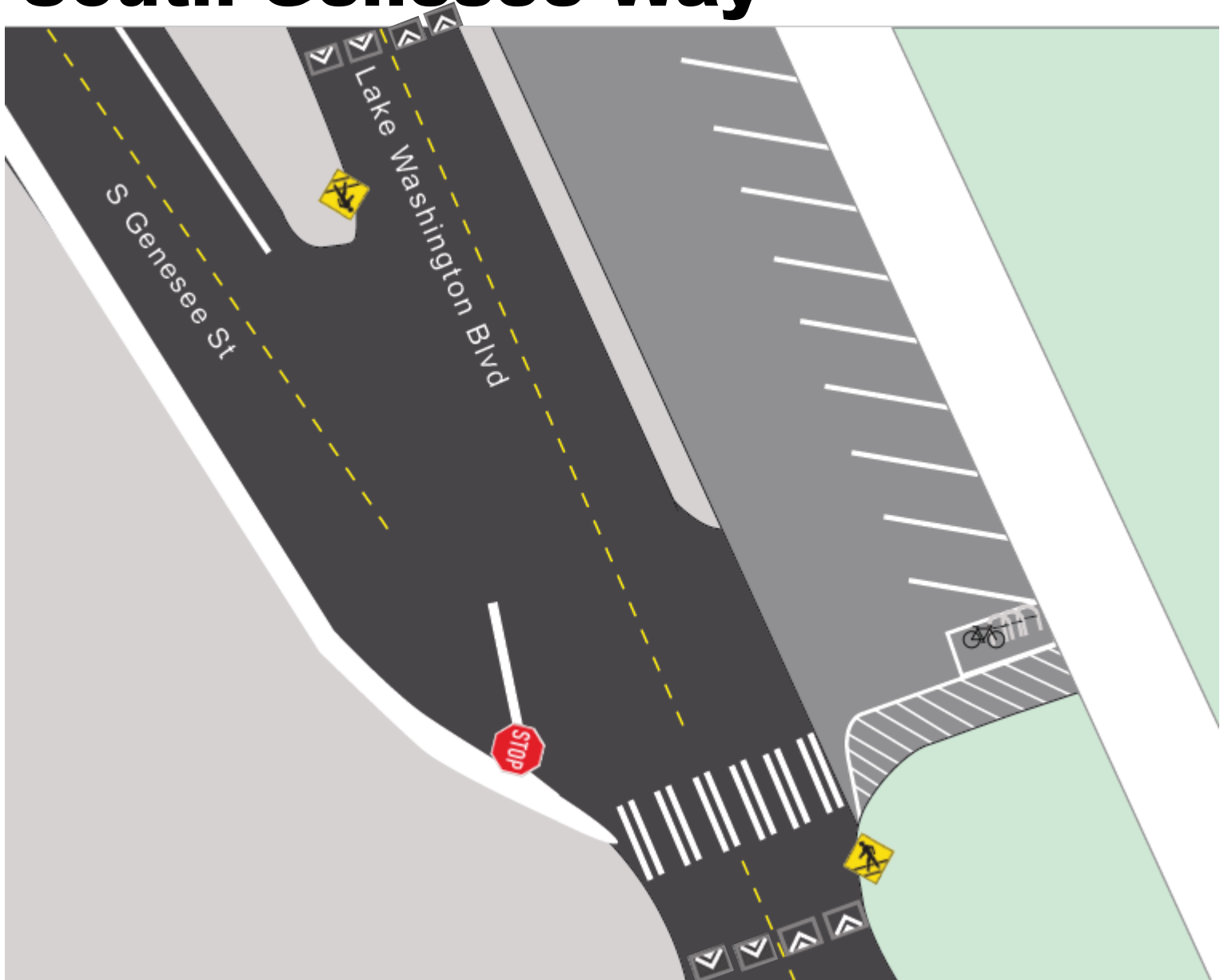
Add speed cushions on Lake WA Blvd for northbound and southbound traffic to support new marked crossing at S Adams St.

Add a pathway that connects the new marked crossing to the existing pathway on Lake WA Blvd.

+Slower vehicle speeds support crossing safety.

+Enhanced pedestrian connection to improve access to lakeshore.

South Genesee Way

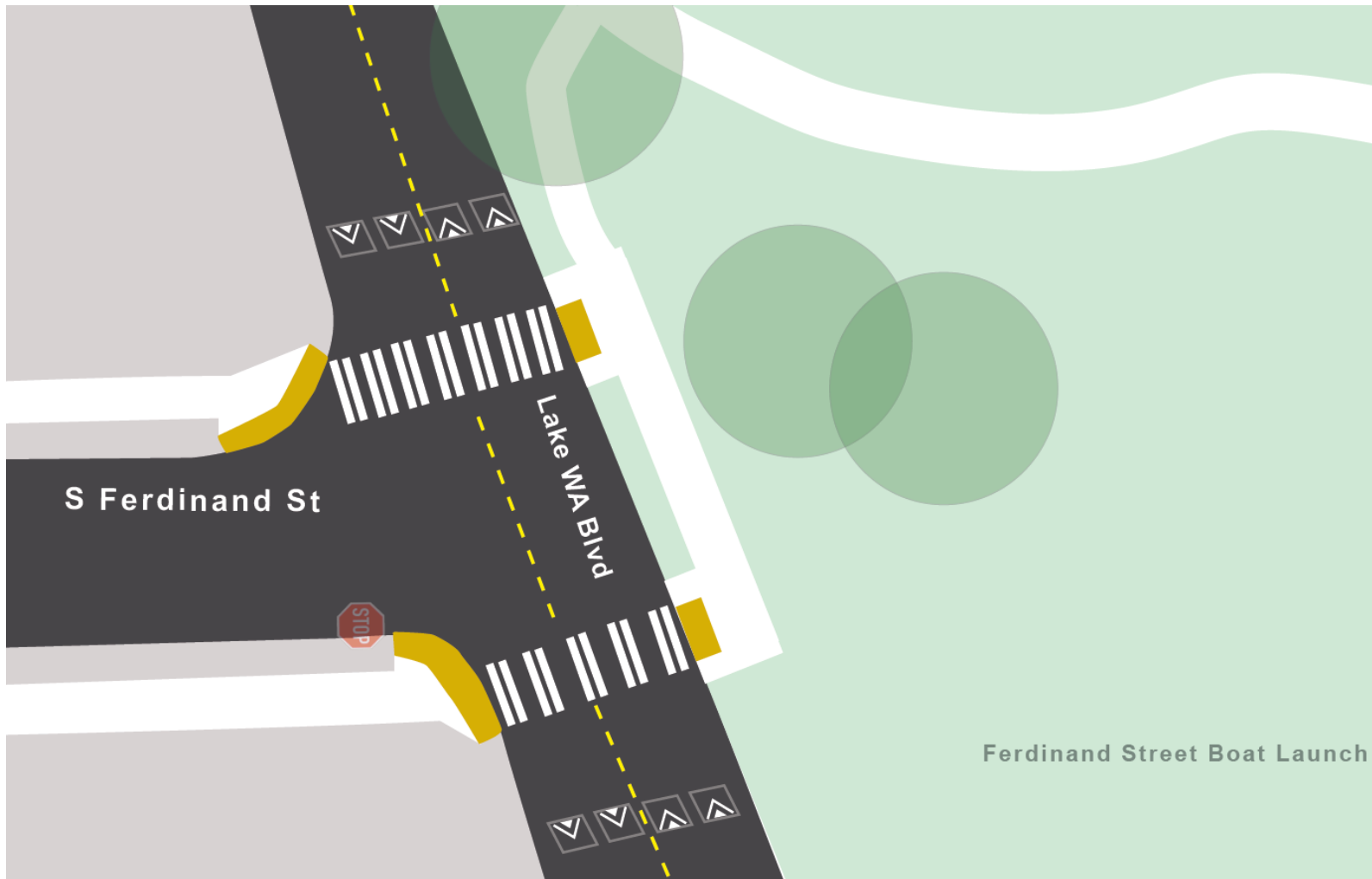


Proposed: Marked crossing, speed cushions, painted walkway, bike rack

Add speed cushions on Lake WA Blvd for northbound and southbound traffic to support new marked crossing at S Adams St.
Add painted walkway with bike rack separation to connect new marked crossing to pathway.

- +Slower vehicle speeds support crossing safety.
- +Enhanced pedestrian connection to increase access to lakeshore.

South Ferdinand Street

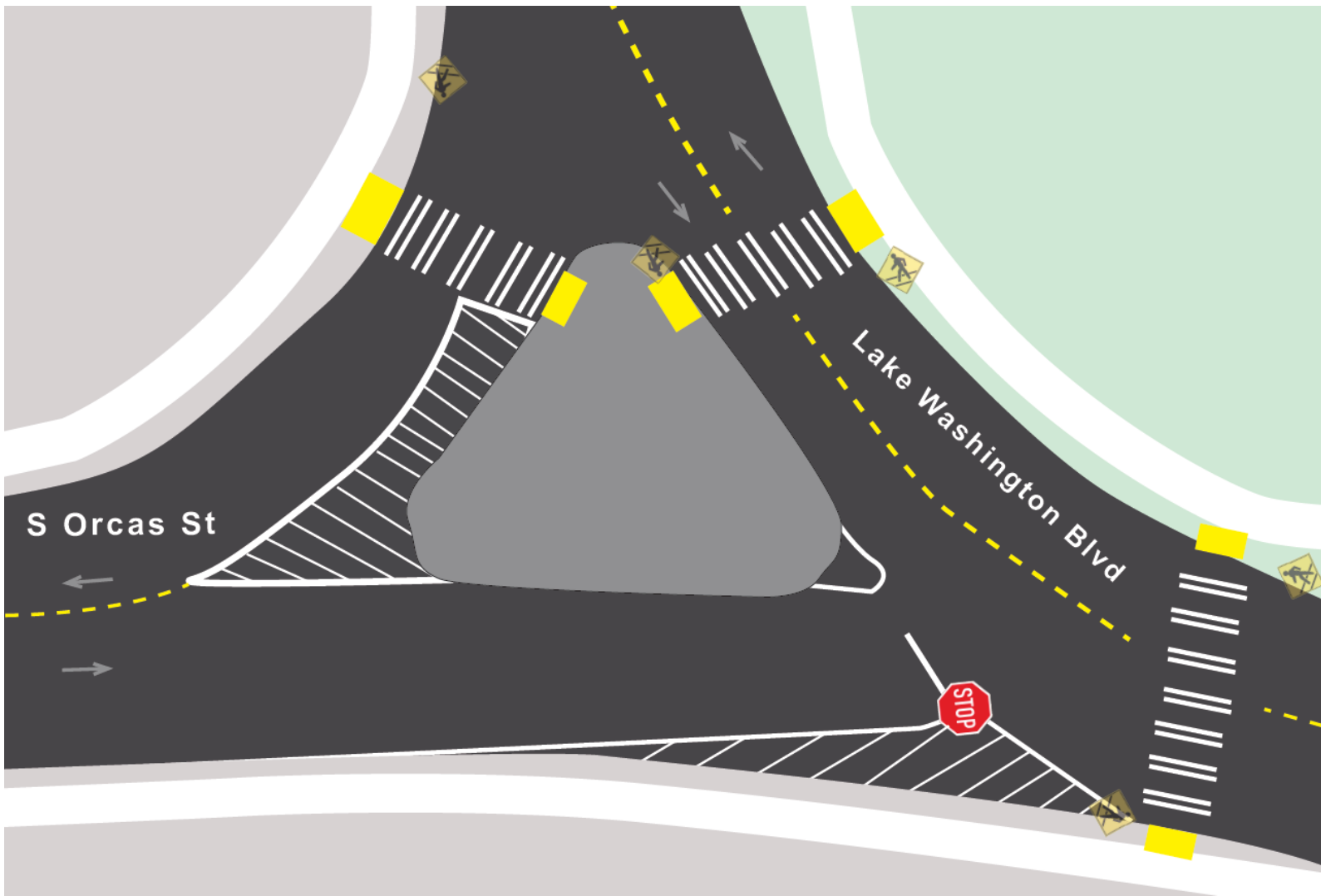


Completed: New Curb Ramps and Connecting Walkway

Add ADA compliant curb ramps and paved connection to the Lake WA Blvd pathway to support the existing marked crossing.

Planned: Add marked crossing to the north side of the intersection.

South Orcas Street



Proposed: Intersection redesign

Simplify intersection by making both approaches of S Orcas St one-lane.

Paint-and-post curb and island extensions:

+Decrease pedestrian crossing distance.

+Calm vehicle turning speeds and reduce merging conflicts.

Thank you!



For more information:

<https://engage.seattleparksandrec.com/en/projects/lake-washington-boulevard>

Provide your feedback on our survey:

<https://seattle.surveymonkey.com/r/LWBdesignconcepts>