



Vision Zero Top-to-Bottom Review Update

Transportation and Seattle Public Utilities Committee
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Our Vision, Mission, Values, & Goals

Seattle is a thriving equitable community powered by dependable transportation. We're on a mission to deliver a transportation system that provides safe and affordable access to places and opportunities.

Core Values & Goals:

Equity, Safety, Mobility, Sustainability, Livability, and Excellence.

Today's Presentation

- Vision Zero overview
- Vision Zero Top-to-Bottom Review
 - What we've heard
 - Momentum-Building Actions
 - Other milestones
- Grants for Safer Streets
- What's next





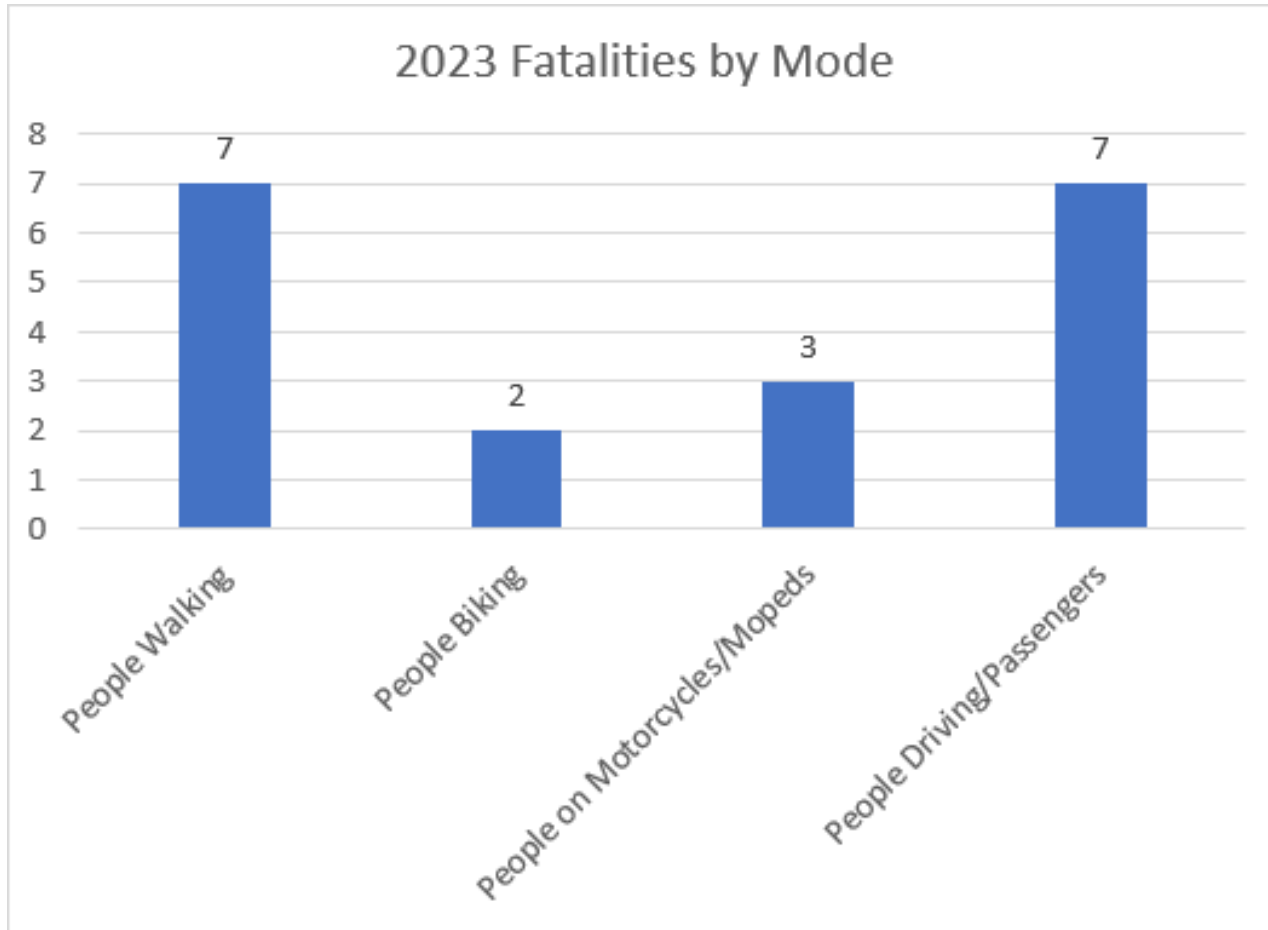
Since Seattle began its Vision Zero efforts in 2015, nearly 1,471 people have been seriously injured and 216 people have been killed in a traffic crash.

Together, we hold space for them.

Together, we commit to taking action to end traffic deaths and serious injuries on city streets by 2030.



Where we are



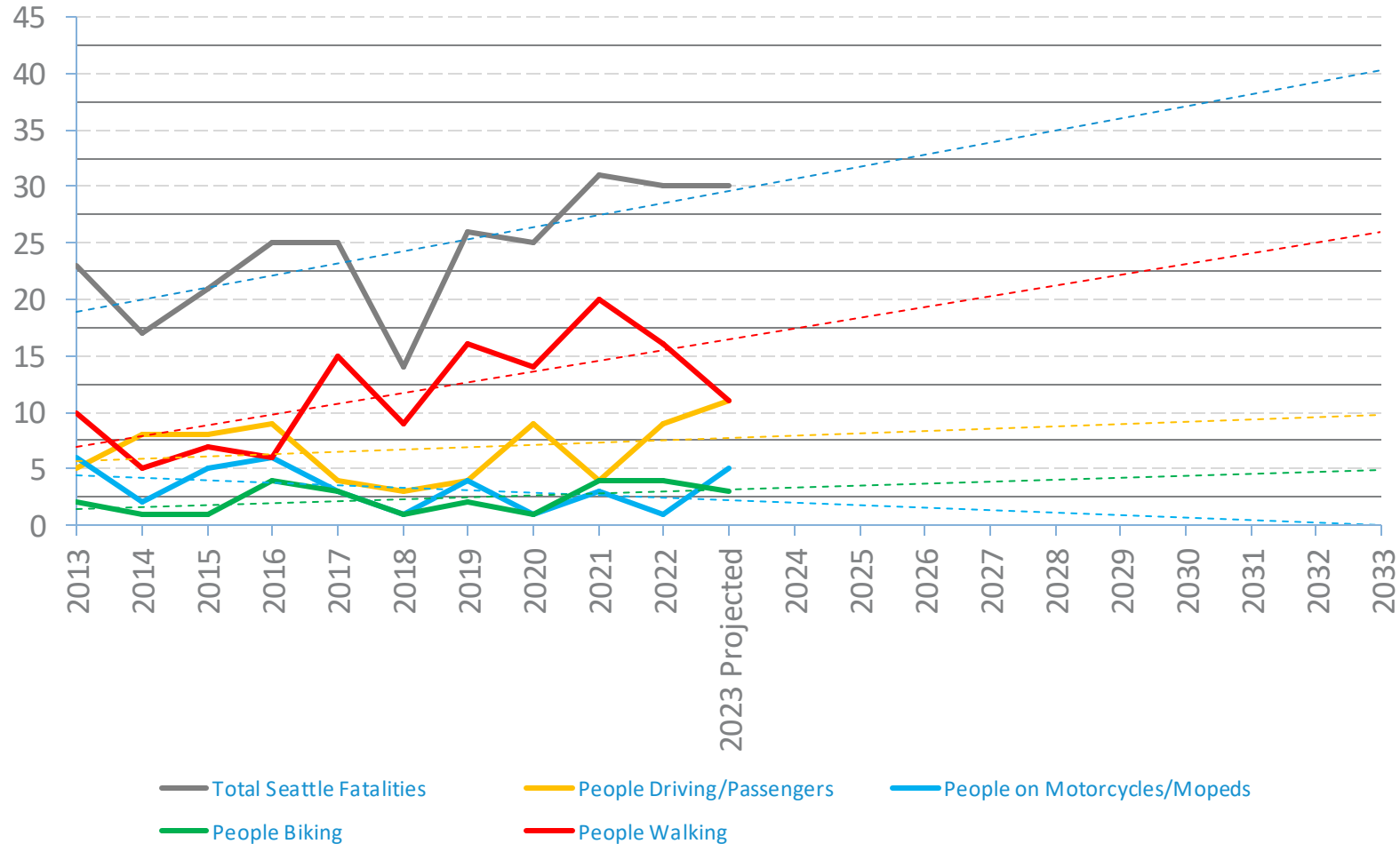
Note: Above data is preliminary and subject to change.
Does not include one fatality in WSDOT jurisdiction.

- Fatal Collisions - 18
- Lives Lost – 19
- At least 2 collisions involve DUI, one of which resulted in multiple fatalities
- 3 collisions involved Hit and Run
- 1 collision involved a scooter
- Unhoused involved in – up to 6 people*
- 11 of the 18 fatal collisions occurred between dusk and dawn
- At least 8 fatal collisions may involve speeding

* - Preliminary data, needs further verification

Where we are

Traffic Fatalities on Seattle Streets

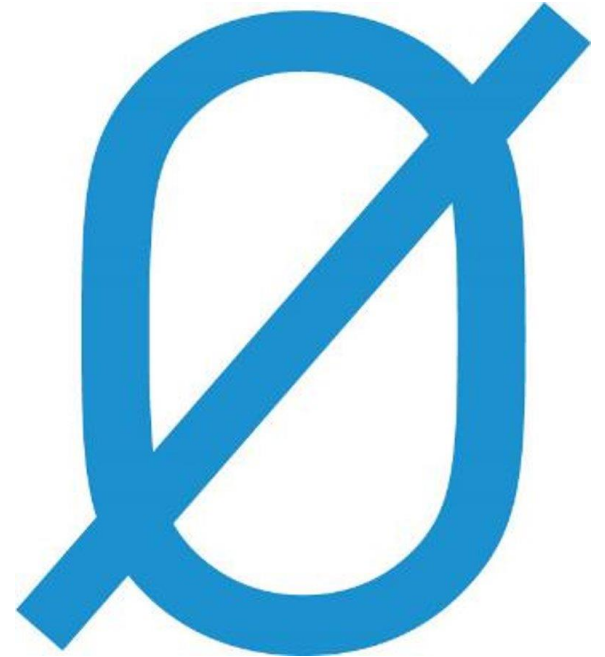


Vision Zero

Seattle's goal to end traffic deaths and serious injuries on city streets

Key principles

- Traffic deaths and injuries are preventable
- Humans make mistakes, are vulnerable and fragile
- Success does not hinge on individual behavior, but on the design of a safe system



Safe Systems Approach

- **Goal:**
 - Build multiple layers of protection to reduce crashes and minimize harm when crashes do occur
- **Adopted by:**
 - U.S. Department of Transportation (USDOT) and states and cities around the country and the world
- **Focus:**
 - Safer streets
 - Safer speeds
- **Methods:**
 - Engineering controls
 - i.e., street design that promotes lower speeds and safety for all
 - Administrative controls
 - i.e., regulating speed limits and enforcement



Safe System Approach Diagram.

Source: US Department of Transportation

Top-to-Bottom Review Overview



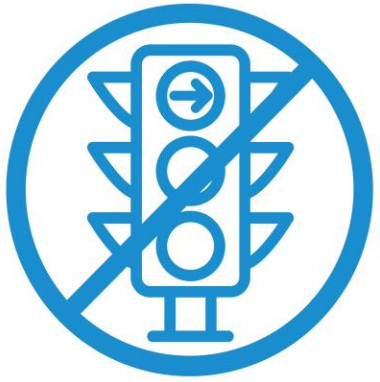
Brief overview of SDOT Vision Zero Top-to-Bottom Review process

What We've Heard Since Publishing the Review

- Interest in analysis of the effectiveness of prior action to reduce speed limits
- Desire to see transformational proposals for major north-south arterials
 - Particular focus on Rainier Ave S
- Better understanding the next steps
 - How the Top-to-Bottom review will help inform further Vision Zero Action Plan updates in 2023



People crossing the street at Rainier Ave S and S Henderson St (top)
A rectangular rapid flashing beacon at a marked crosswalk (bottom)



Momentum-Building Actions

Phase in additional "No Turn on Red" restrictions at intersections downtown and beyond

- Implemented a new No Turn on Red policy
- Installed No Turn on Red at 48 locations mostly in Downtown, and along 1st Ave in SODO
- On track to implement at 74 intersections in 2023, including along Aurora Ave
- Developing a strategy to implement citywide

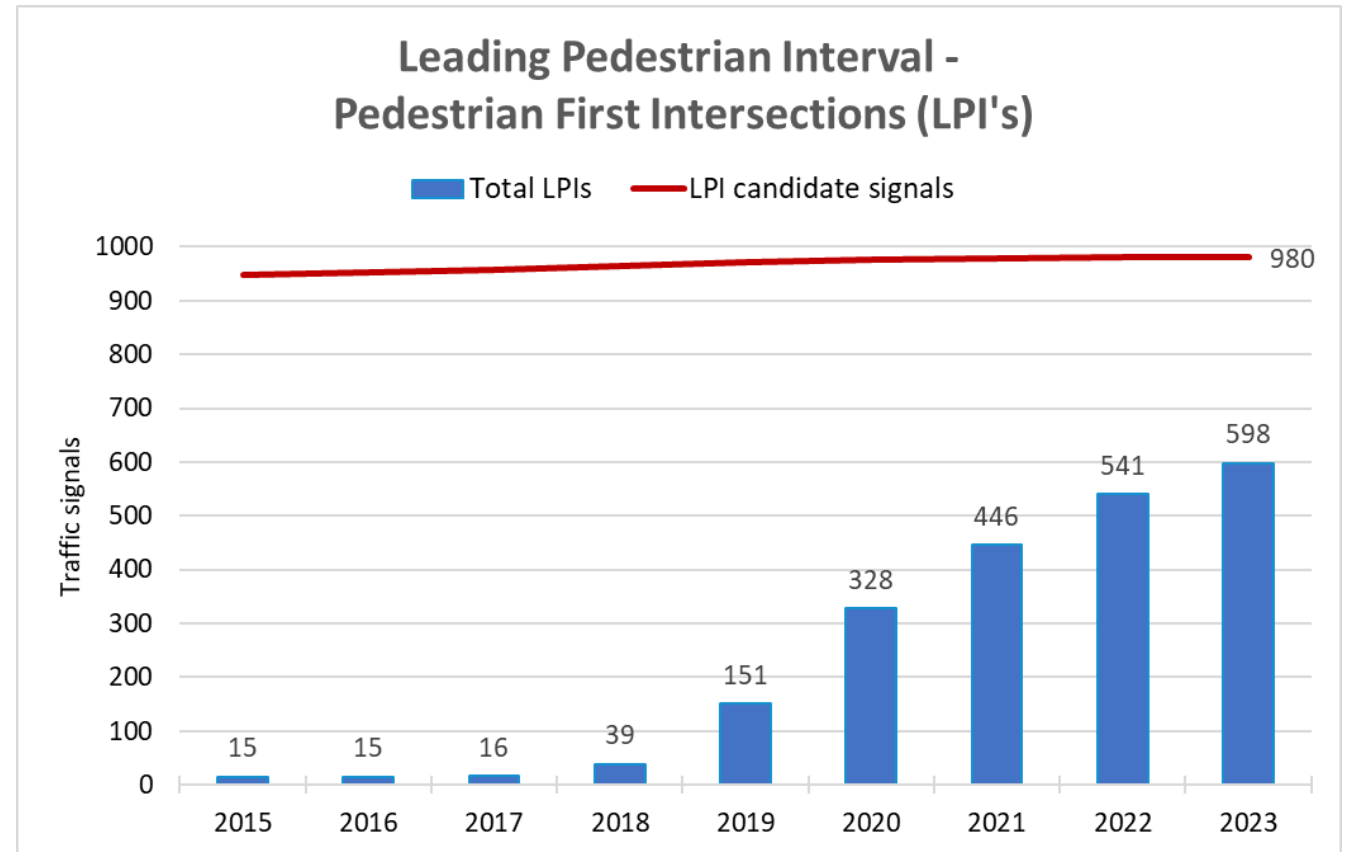


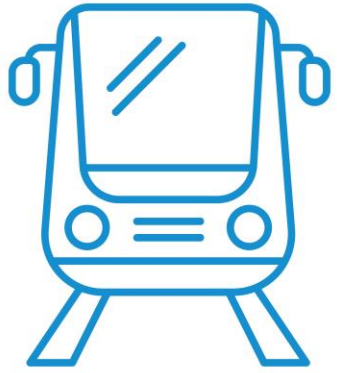


Momentum-Building Actions

Accelerate leading pedestrian interval (LPI) rollout where existing signal systems can support it

- Installed LPI at 57 locations so far this year
- This brings total intersections with LPIs to 598 (61%)
- On track to implement at 49 additional intersections in 2023
- Developing a strategy to complete implementation citywide



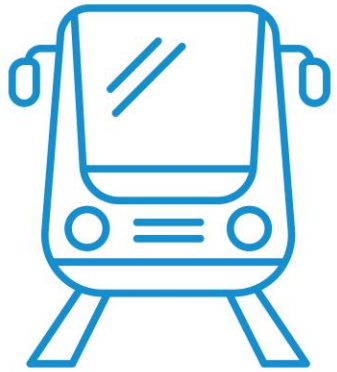


Momentum-Building Actions

Partner with Sound Transit to implement a series of improvements along Martin Luther King Jr. Way S to enhance safety for all travelers

- Installed LPs at 28 intersections
- Added “LOOK” markings at 88 crosswalks
- Refreshed crosswalk, stop bar and lane markings
- Installed yellow reflective tape on 176 signals at 24 intersections
- Installed 27 railroad crossing pavement markings
- Added 27 new “No Left Turn/LRV symbol” dynamic message signs
- Installed 19 new “another train coming” dynamic signs at station crossings
- Added supplemental pedestrian signal displays at MLK & Othello





Momentum-Building Actions

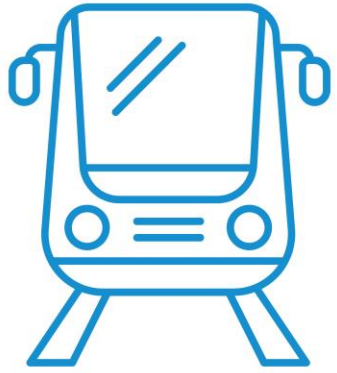
Partner with Sound Transit to implement a series of improvements along Martin Luther King Jr. Way S to enhance safety for all travelers

- ST/SDOT Partnership
 - Engaged to work on safety together with the community
 - Biweekly staff meetings on specific issues
 - Leadership engaged as well
 - Completed three Community Safety Walks at Columbia City and Othello stations



- Safety Awareness and Education Campaign
- Several Pilot Projects in development:
 - Audible Warning Modification (ST Lead Agency – currently underway)
 - 10 MPH Station Approach (ST Lead Agency)





Momentum-Building Actions

Partner with Sound Transit to implement a series of improvements along Martin Luther King Jr. Way S to enhance safety for all travelers

SMART Grant Phase 1:

- \$2M Grant from USDOT
- Technologies
 - Video Analytics
 - Vehicle to Everything (V2X) Communications
 - Touchless Pedestrian Push Buttons
 - Smart Technology Traffic Signals
 - Signal System Battery Backup
- Phase 1 of grant is 18-months and includes pilot and demonstration of innovative new technologies
- Eligible for up to \$15M in additional funding if the pilots are successful

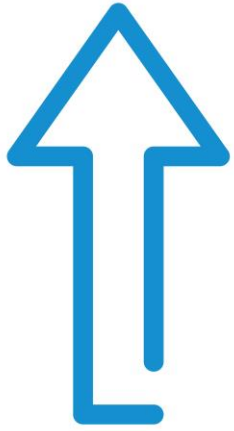




Momentum-Building Actions

Engage the public on automated enforcement (AE) to address equity concerns about future expansion in neighborhoods with many fatalities and serious injuries

- Input received during the T2B draft review was incorporated into the final version
- Engaged in a partnership with the Transportation Equity Workgroup (TEW) and community-based organization Whose Streets Our Streets.
 - Expanding community conversations to partners in the north
- Developing a comprehensive Automated Enforcement Policy based on TEW and Community Input
- SLI response to City Council on potential expansion of AE programs, specifically school zone camera program
 - Developed a methodology for potential expansion based on safety and equity as guiding principles in coordination with TEW
 - Identified resources needed and constraints



Momentum-Building Actions

Elevate City Traffic Engineer to a new Chief Transportation Safety Officer role

- Align Responsibility, Authority and Accountability for safety within the department
- Report to Senior Deputy Director Francisca Stefan
- Lead Vision Zero team under Transportation Operations department
- Developed Vision Zero steering committee comprised of department leaders

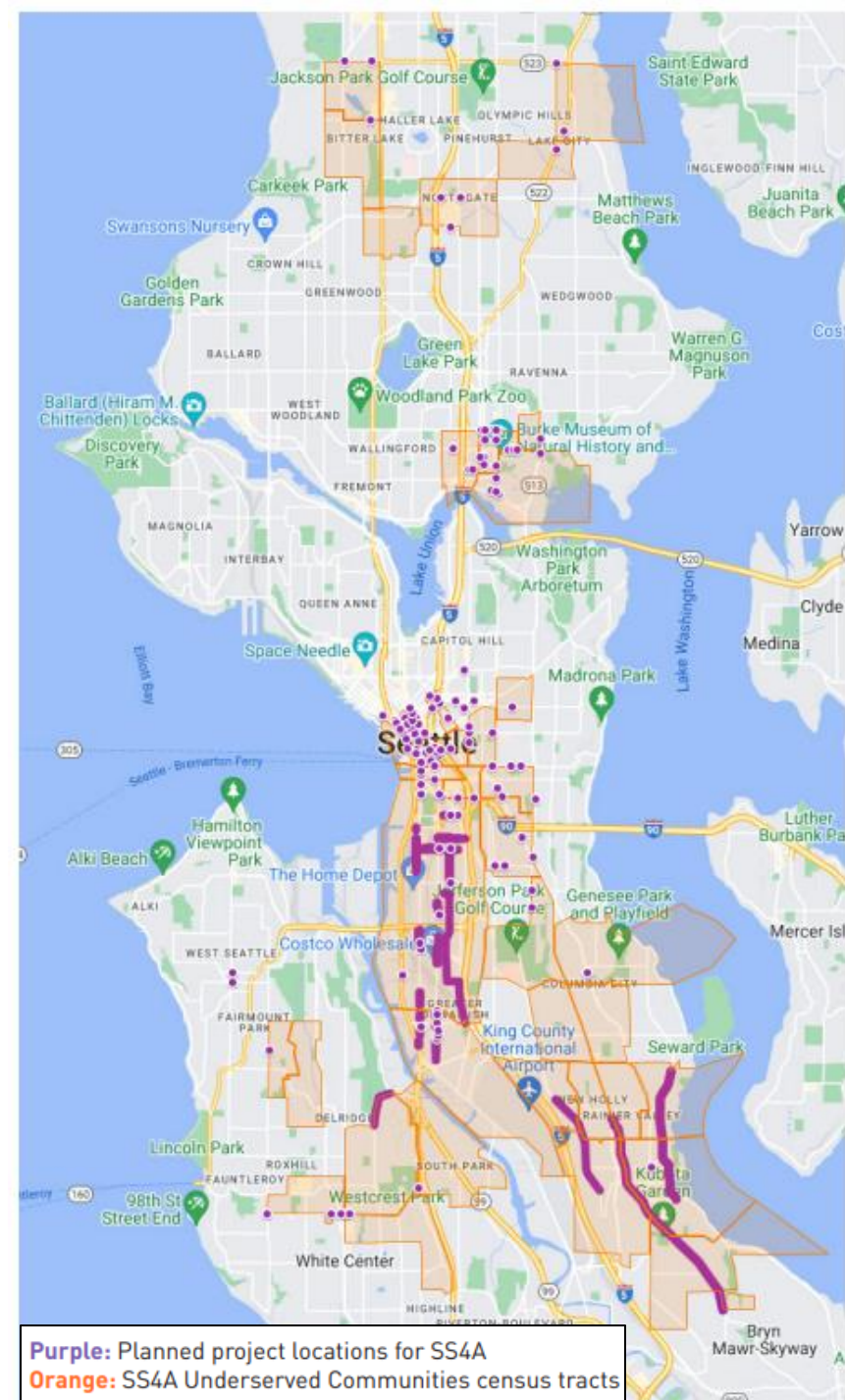
Grants for safer streets

Federal Safe Streets For All—Project Locations

- Over 90 percent of the project locations are in underserved communities
- Received \$25.6M with \$7.5M match = \$33.1M
- Working on obligating federal grant monies
- Developing a revised list of projects for the grant monies received

State funding for Aurora safety improvements

- \$50 million from the State for Aurora reimagining
- Significant safety corridor



Vision Zero Action Plan

- Working on a Vision Zero Action Plan as next step in Top-to-Bottom Review
- Action plan will integrate T2B recommendations
- Incorporating Safe Systems Approach
- Focus on Proactive and Responsive approaches to safety
- Integrating STP Key Moves on Safety
- Anticipating a draft plan by the end of this year



- ✓ SDOT advances momentum-building actions to urgently promote safety
- SDOT updates Vision Zero Action Plan

ACT



From the entire SDOT Team:
Thank you!