



City of Bellevue

Vision Zero Action Plan

Safe Systems Approach and Strategies

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March 2, 2020



Direction Needed from Council

The Transportation Commission seeks approval of a Safe Systems approach and strategies to move Bellevue towards Vision Zero. A draft Resolution is attached and, pending Council direction, will be brought back for adoption at a future meeting.

AGENDA



Project Background



Safe Systems Approach



Safe Systems Strategies



Transportation Commission Transmittal



Next Steps

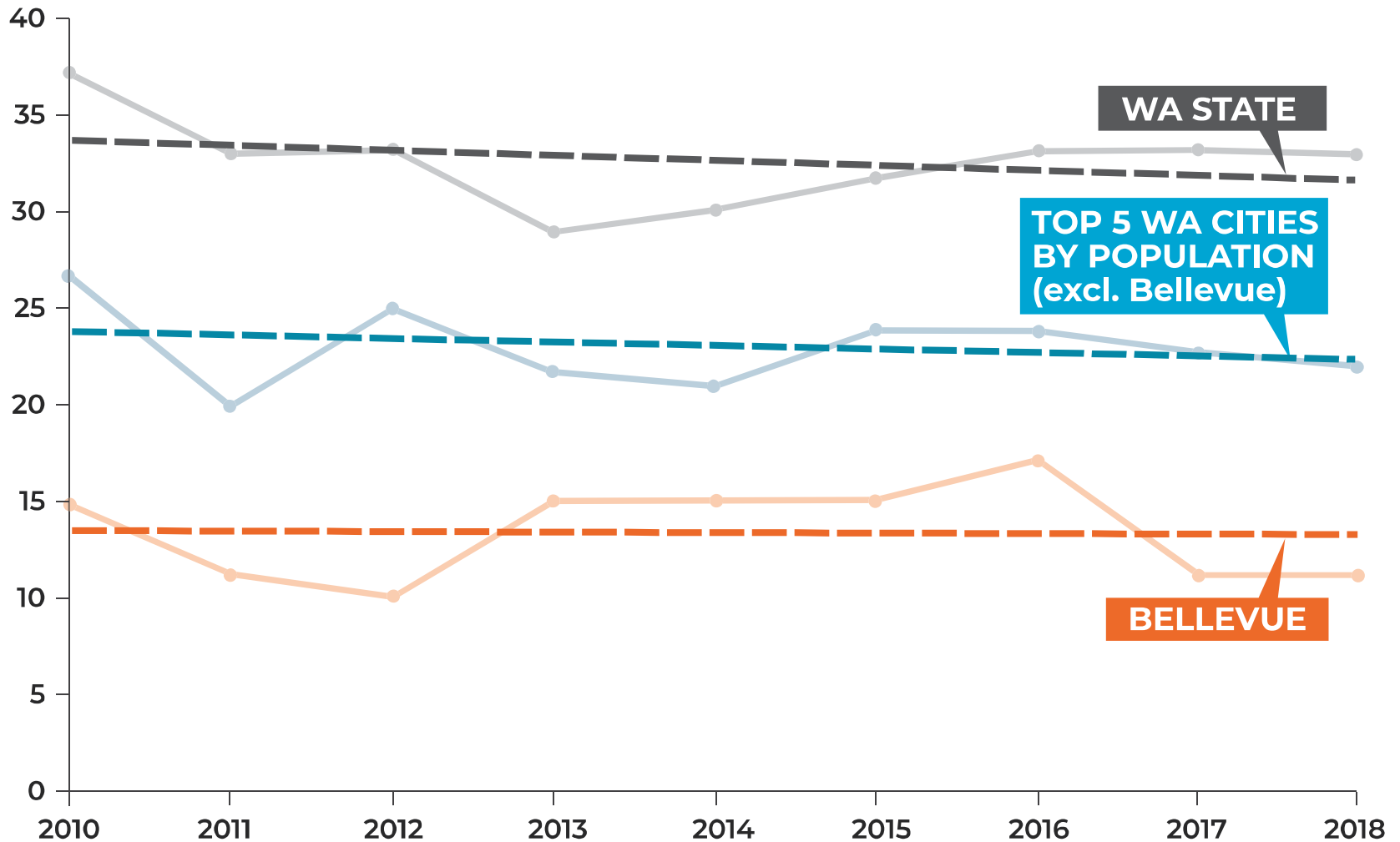
Project Background



“Develop a programmatic approach to Vision Zero that integrates components of Education, Encouragement, Enforcement, Engineering, Equity, and Evaluation.”

- Comprehensive Plan, Policy TR-61.2

Fatal & Serious Injury Crashes (per 100K)

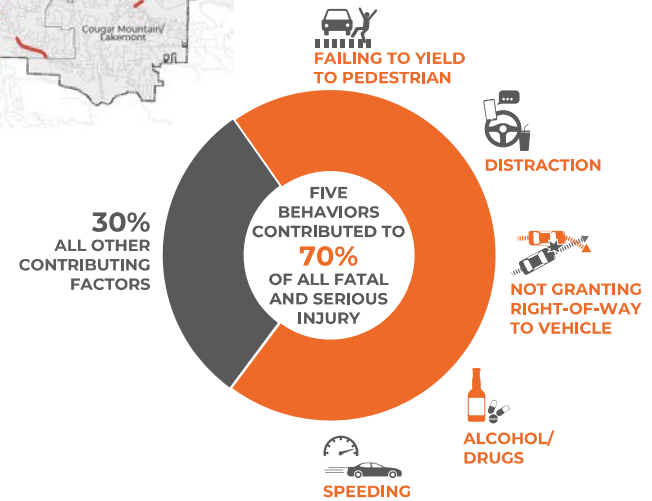
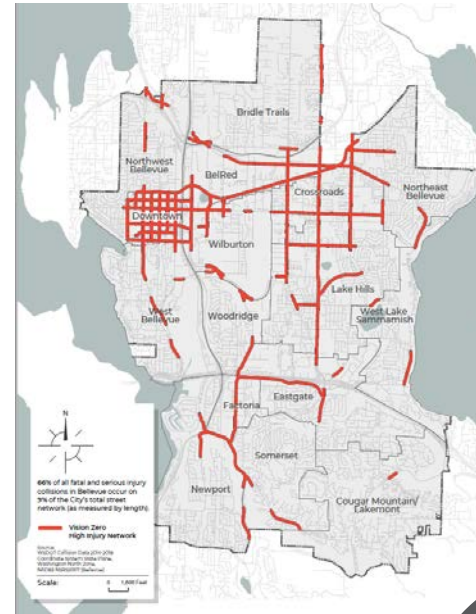


Establish Leadership



- **Resolution 9035** – Endorsed Vision Zero and directed Transp Commission to review the Comp Plan.
- **Ordinance 6334** – Incorporated Vision Zero amendments into the Comp Plan.

Analyze Data



Determine Approach



RECOMMENDATION

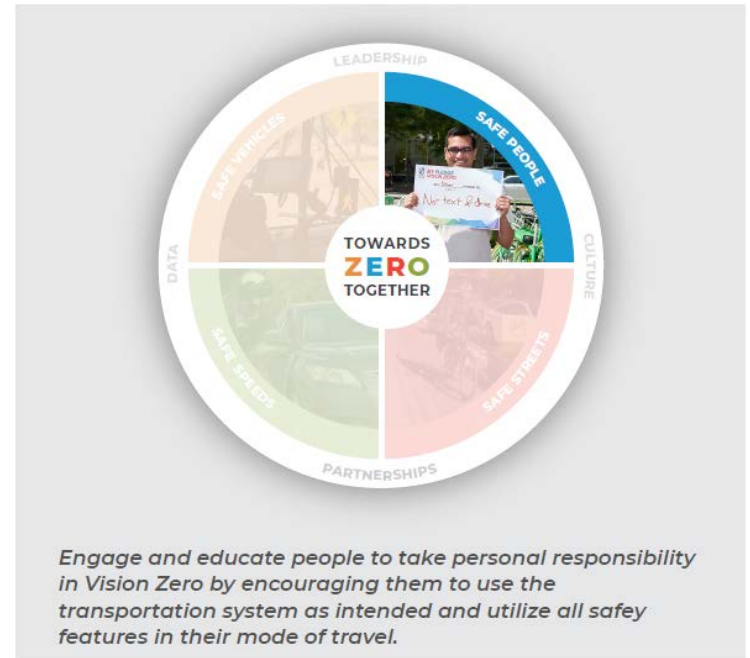
Safe Systems Approach



Identify Strategies



RECOMMENDATION



Safe People | Strategies

1. Launch citywide campaigns to build awareness around safety and Vision Zero.
2. Improve motorist training on safety and rules of the road.
3. Educate pedestrians, bicyclists, and scooter riders on safety and rules of the road.
4. Educate children and students on safety and rules of the road.
5. Foster and promote safety champions in the community.
6. Use data to inform coordinated actions across city departments to influence public commitment to Vision Zero.

Safe People Strategies



- **FREE** health and safety information from experts
- **FUN** kid activities, music, and giveaways
- **LEARN** about health, parent, and family support agencies
- **FREE** Child ID program
- **SEE & SIT** in some of the latest police and aid department vehicles and more!



Safe Streets Strategies



Safe Speeds Strategies



Safe Vehicle Strategies



Autonomous Vehicle Work Group 2019 Annual Report

A YEAR OF LEARNING AND EXPLORATION

WASHINGTON STATE
AUTONOMOUS VEHICLE
WORK GROUP

Prepared by WSP USA
wsp



Brief No. 6
November 2019

What if every car had Automatic Emergency Braking?

Trends show more automakers are equipping their vehicles with advanced driver assistance systems (ADAS), some companies even making these improvements standard. In 2015, 20 vehicle manufacturers, comprising 99 percent of the U.S. auto market, voluntarily committed to equipping every new vehicle with Automatic Emergency Braking (AEB) by 2022. In 2018, approximately half of new vehicles manufactured included AEB, and increase from less than a third the previous year.



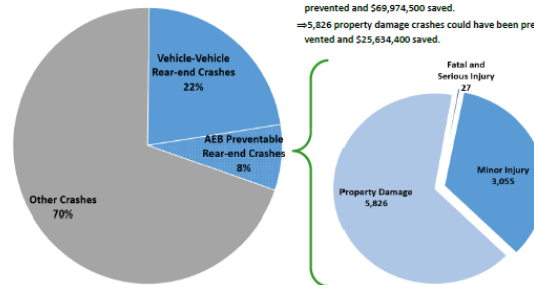
I care, because if every car on the road was equipped with AEB, thousands of crashes and injuries could be prevented on Washington roadways every year. A conservative analysis was performed on 2018 Washington crash data and all vehicle-vehicle rear-end crashes. A group of these rear-end crashes were identified for which AEB would have prevented the crash. AEB preventable rear-end crashes were defined as those occurring on dry roads, with posted speed limits of 35 MPH or less, with no speeding drivers involved, and no vehicles involved with any tire, brake, or power defects.

In 2018, AEB could have prevented nearly 9,000 crashes in Washington and saved \$100 million in crash-related costs.

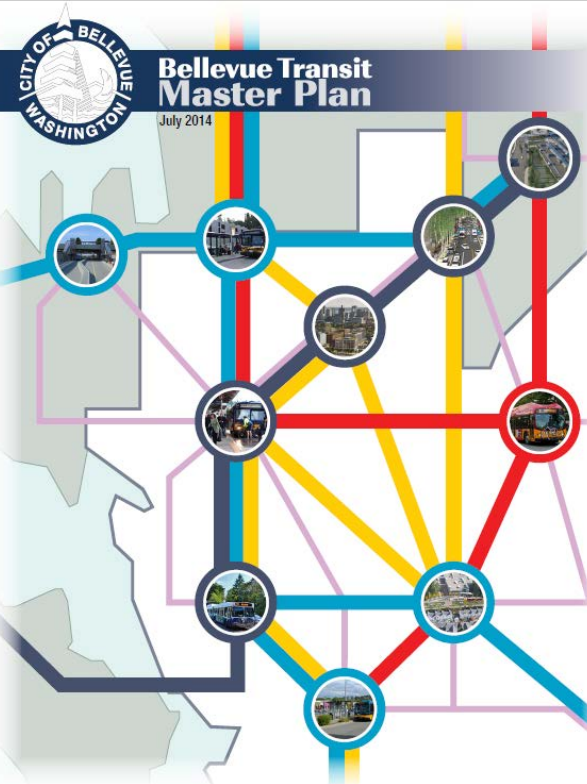
If every car on Washington roads had AEB, then under conservative conditions one-quarter of all rear-end crashes could have been prevented, or eight percent of all crashes in 2018.

⇒ 27 fatalities and serious injuries would have been prevented and \$4,053,800 saved.
⇒ 3,055 evident and possible injuries would have been prevented and \$69,974,500 saved.
⇒ 5,826 property damage crashes could have been prevented and \$25,634,400 saved.

Crashes in Washington State 2018:
What if every car had AEB?



For more information, please contact Washington Traffic Safety Commission, Research and Data Division at (360) 725-8860.



Culture Strategies



**BELLEVUE
VISION
ZERO
SUMMIT**

PROGRAM

February 13, 2019
Overlake Medical Center - PACCAR Education Center
1035 116th Ave NE
Bellevue, WA 98004




DEATHS AND SERIOUS INJURIES WHILE TRAVELING ON BELLEVUE STREETS ARE PREVENTABLE

STRONGLY DISAGREE ● 0 ● 1 ● 2 ● 3 ● 4 ● 5 ● 6 ● 7 ● 8 ● 9 ● 10 STRONGLY AGREE

Community Questionnaire (N=1523)

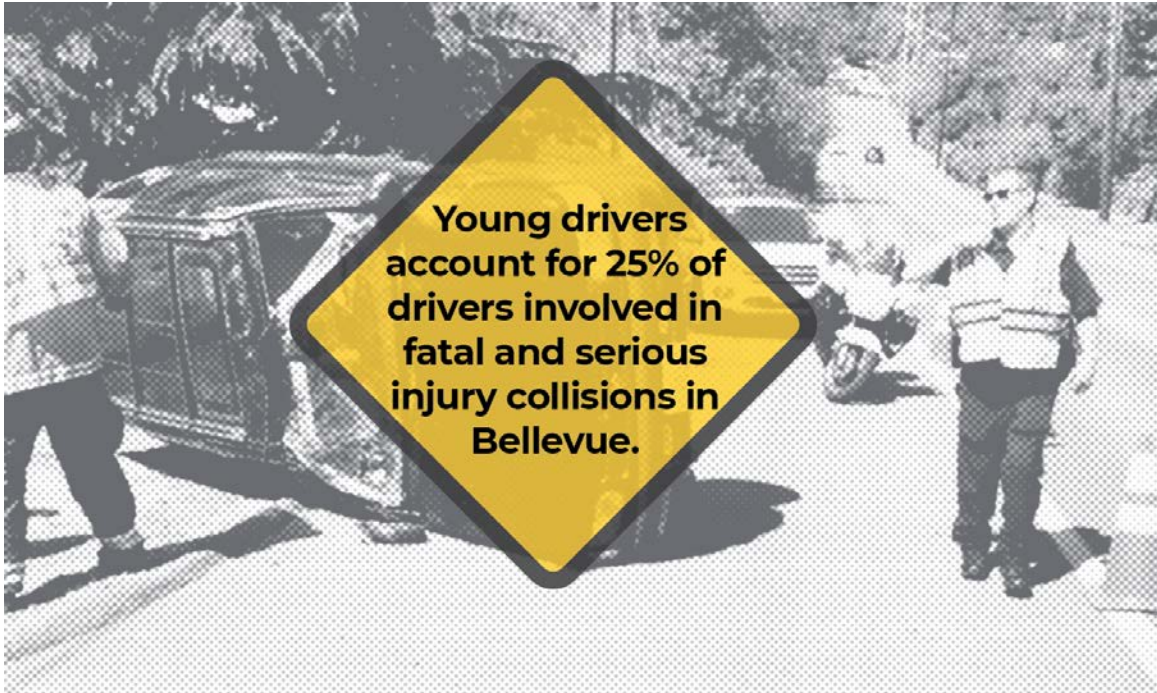


Staff Questionnaire (N=229)



0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Partnerships Strategies



Source: WSDOT crash database
(2006-2017)



Data Strategies



Leadership Strategies



Transportation Commission Transmittal



Prioritize Actions



Pending Council approval of the Safe Systems approach and strategies, staff will finalize the Action Plan and commence work on collaborations between city departments and within the community to advance coordinated actions.

Evaluate and Update



Consistent with the Transportation Commission's request, staff will periodically evaluate the Safe Systems approach, strategies, and Action Plan to monitor performance.



Direction Needed from Council

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