

# Bellevue, WA

## » Vision Zero: from concept to implementation

Bellevue pursued Vision Zero in 2015, setting the stage for the safe systems framework, strategic plan and action plans in the following years.



In the intervening years, Bellevue has been working to meet the ambitious goal of getting to zero through actions and efforts related to:

- **speed reduction,**
- **turning plans into implementation,** and by
- **harnessing technology.**

**Step 1: Speed Management Plan sorting.** Using street/speed data, identify corridors for running through speed limit setting tool.

**Step 2: Speed Limit Setting Review for corridors.** SPEED LIMIT SETTING METHODS AND STEP-BY-STEP PROCEDURES CITY OF BELLEVUE

**Step 3: Potential design and construction.** If after running through speed limit setting tool, speed mitigation is needed, look to Speed Management Plan toolkit for measures to design and implement.

Corridor	Volume Change	30+ mph change
Surrey Downs	12%	-20%
East Bellevue Demo Greenway	49%	8%
Eastgate	7%	-19%

### SPEED REDUCTION

- Speed Management Plan will proactively respond to speeding on arterials
- Speed limit setting tool brings additional context/nuance into speed limit setting
- 20 mph speed limits on local streets shown to be effective

**Parallel bars** → **New design standard** → **Interim Implementation (near light rail stations)**

Figure 14: Community Working Group with Street Users community.

### TURNING PLANNING INTO IMPLEMENTATION

- Continental crosswalk implementation ahead of light rail opening
- Local Road Safety Plan nets \$1.2 million grant on 40 mph arterial where several speed-related serious injury crashes occurred
- Road Safety Assessments (RSAs) identifying dozens of project ideas

**Microsoft** Advanced Mobility Analytics

**Jacobs**

**LPI results: 42% reduction in vehicle-pedestrian conflicts**

Conflict heatmap (PET, image space)

### HARNESSING TECHNOLOGY

- Creating partnerships to deploy and study effects of deployment of leading pedestrian interval (LPI)
- Using existing traffic camera network, technology, deep neural networks and cloud computing to proactively identify traffic conflicts before they occur