

BELLEVUE, WASHINGTON

Chris Long, Traffic Engineering Manager
City of Bellevue

GLOBAL CITY TEAM CHALLENGE SUPER ACTION CLUSTER SUMMIT

February 1 – 2, 2017 | *Portland, Oregon*



Bellevue, Washington

A CONNECTED CITY IN A PARK

Presented For:

Global City Team Challenge Super
Action Cluster

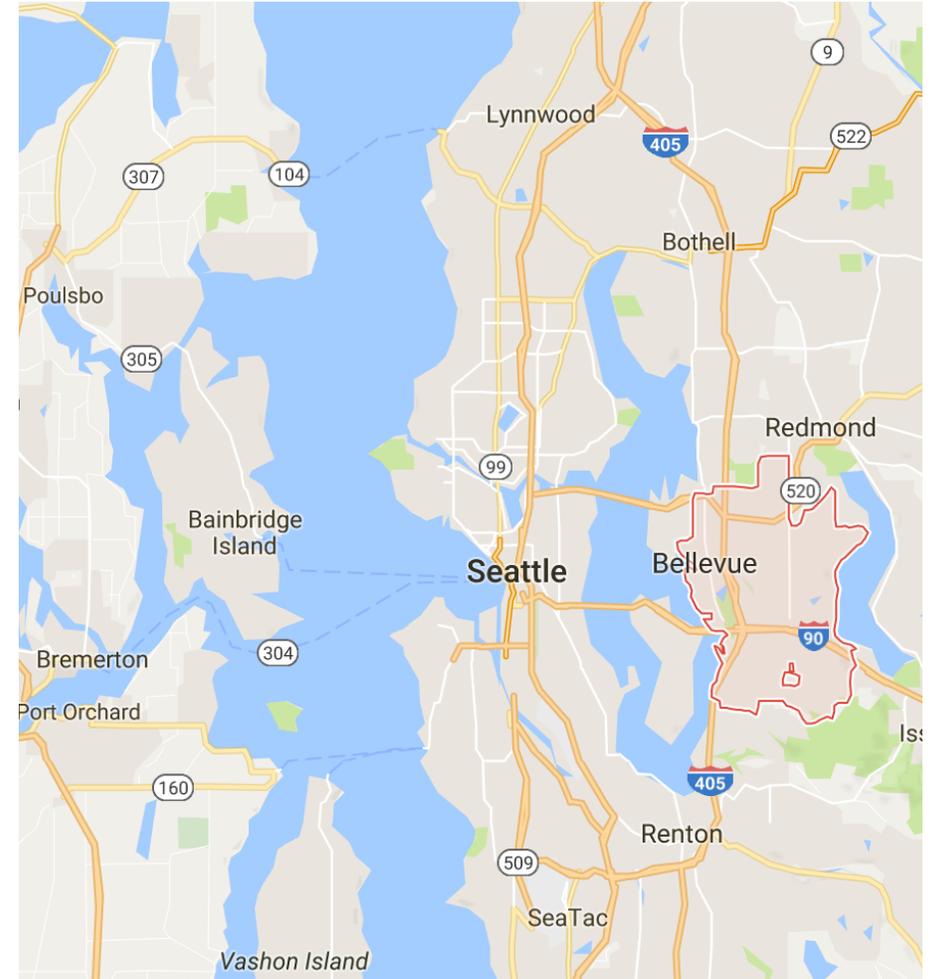
Presented By:

Chris Long, PE, PTOE, Bellevue Traffic
Engineering Manager
February 1st, 2017



Get to know Bellevue

- Bellevue is part of the Puget Sound region with 3.7 million residents
- Bellevue's resident population to grow from 135,000 in 2016 to 160,000 in 2035
- Bellevue's job count to grow from 148,000 in 2016 to 202,000 in 2035
- Current construction cycle adding 13,000 jobs
- Over 33% of the population was born outside the U.S.





A Center for Technology

- Highly educated workforce
- Strong technology sector
- Global business center
- 45 corporate headquarters





Bellevue's Smart City Elements



Transportation



Connectivity



Energy



Public Safety



Water



Buildings



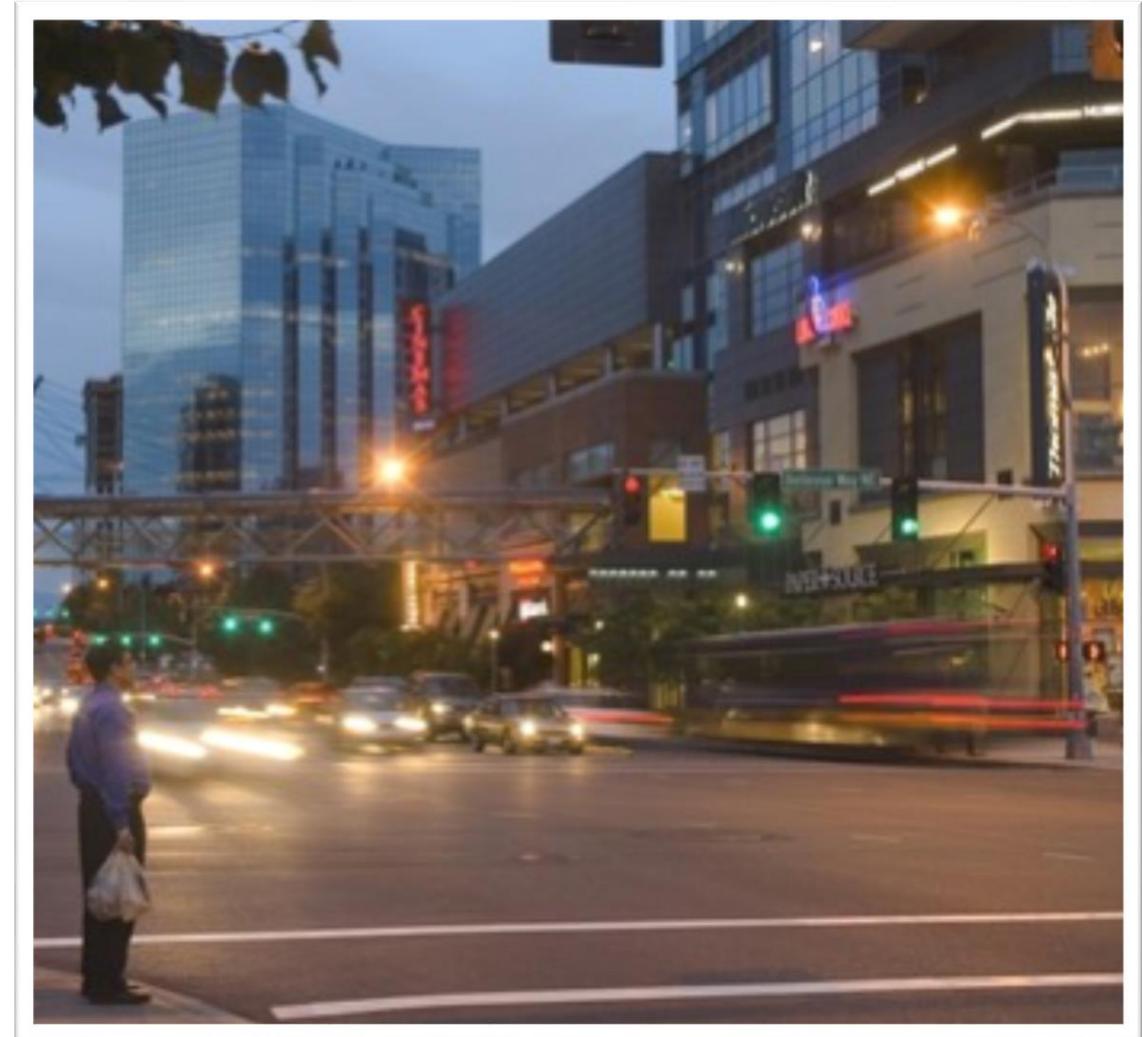
Accomplishments to Date

- Held Regional Smart City Workshop in 2016 involving over 40 local public, private and non-profit organizations
- Hired University of Washington Evans School of Public Administration to perform Smart City maturity assessment
- Launched “Urban Smart Bellevue” with Puget Sound Energy to promote commercial energy conservation
- Won a National Institute of Standards and Technology grant for a Smart City Dashboard
- Won a Department of Energy grant for analyzing drivers of change for greenhouse gas emissions



Transportation Accomplishments

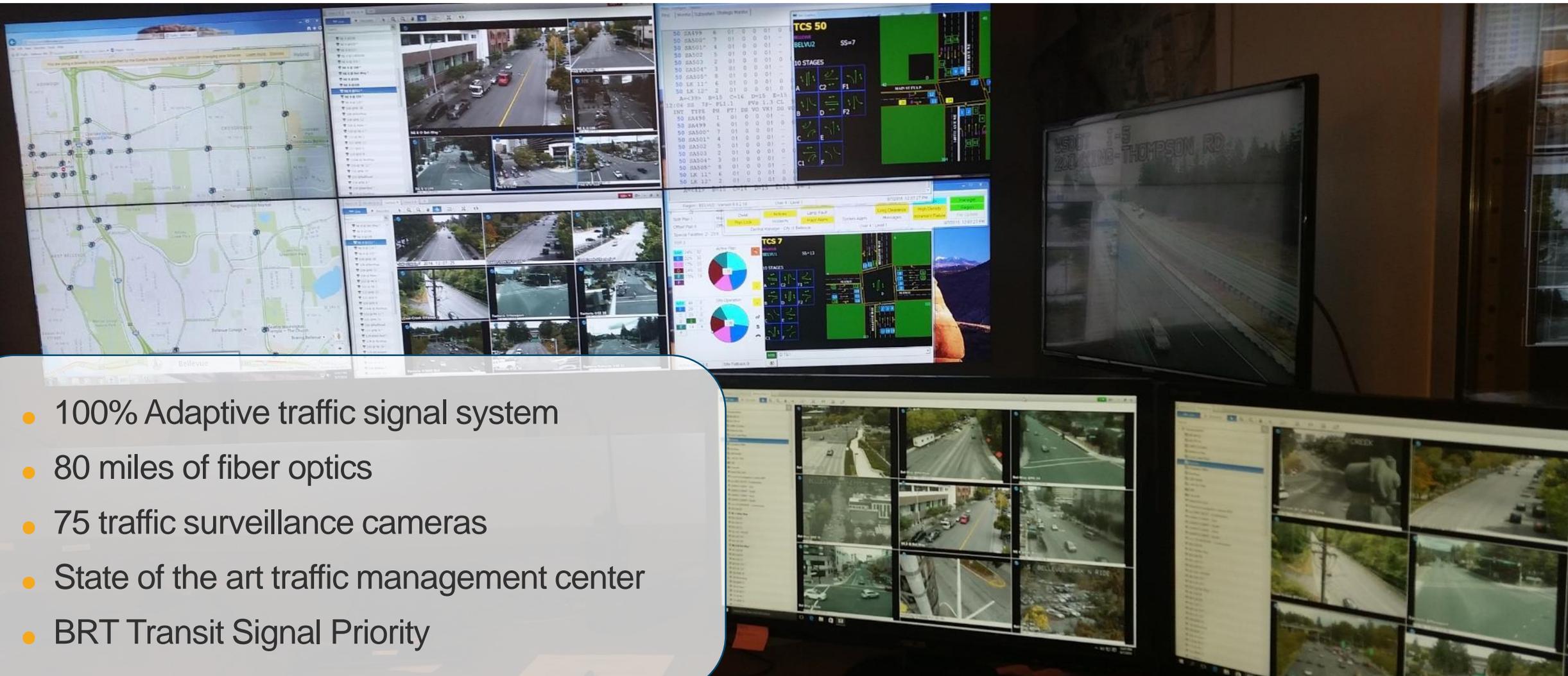
- 100% Adaptive signal system
- Over 80 miles of fiber optics
- BRT Transit Signal Priority
- State-of-the-art Traffic Management Center
- Passed transportation levy with funds targeted toward new technology





Transportation Accomplishments

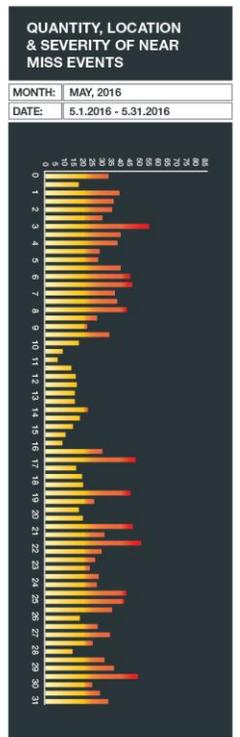
- 100% Adaptive traffic signal system
- 80 miles of fiber optics
- 75 traffic surveillance cameras
- State of the art traffic management center
- BRT Transit Signal Priority





Transportation Initiatives

- Testing C2C Integration with two Connected Vehicle companies
- Testing Smart Streetlight control systems
- Passed transportation levy with funds targeted toward new technology
- Updating 2004 ITS Master Plan
- Partnership with Microsoft and University of Washington for Near Miss Detection System
- Recently advertised new Transportation Technology Partnership position





First/Last Mile Challenges

- Attracting car-sharing services
- Managing curb space for pick-up and drop-off
- Encouraging employer shuttle – transit hub coordination
- Land-use planning for “Mobility Hubs” to support shared mobility
- Breaking eastside “car-centric” mentality



U B E R





Thank you

Chris Long, PE, PTOE
City of Bellevue
Traffic Engineering Manager
CLong@bellevuewa.gov
425-425-6013