Prepared For: Bellevue City Council

May 15, 2017

City of Bellevue ITS Update

Prepared By: Chris Long, Traffic Engineering Manager clong@bellevuewa.gov, 425-452-6013

Purpose of Presentation

- Introduction to new staff
- Current state of ITS in Bellevue
- Update on ITS Master Plan update project
- Upcoming technology partnership opportunities

Daniel Lai, PE Senior ITS Engineer

- 9 years of experience in ITS planning, design and implementation
- Previously worked at Transpo Group as their ITS practice leader
- Member of the USDOT Vehicle-to-Infrastructure Deployment Coalition





Steve Marshall

Transportation Technology Partnership Manager

- 30 year partner at Perkins Coie
- Former head of Generation Transmission and Conservation at Snohomish PUD
- Past Executive Director of the Center for Advanced Transportation Technologies (CATES)
- Former Planning Commissioner for Mercer Island
- Member of Regional Transit Task Force & King County Charter Review Commission
- Advisor to the Washington State Economic Development Commission



ITS – Current State

CONNECTED VEHICLE PILOT



TRANSIT SIGNAL PRIORITY

Background:

- Council approved contract in November 2016
- Updates the original ITS Master Plan developed in 2004
- Establishes an ITS deployment strategy for the next 5-10 years
- Estimated completion in Q4 2017

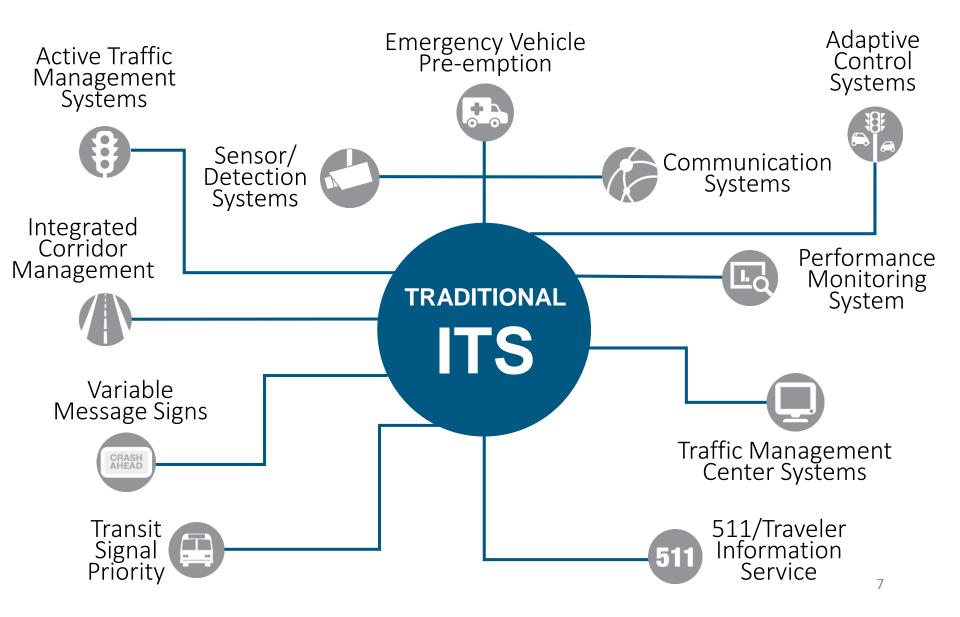


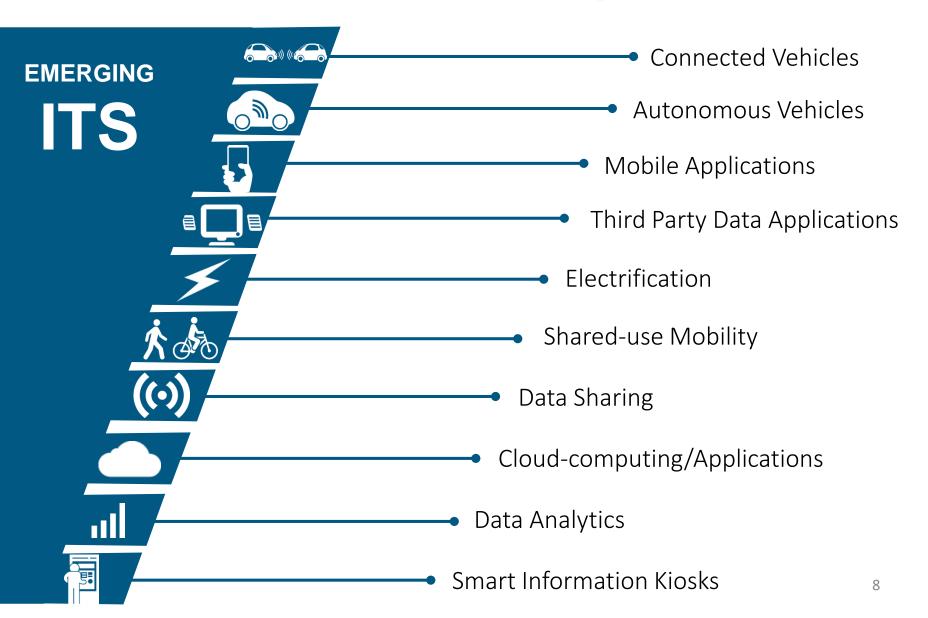


City of Bellevue



"Enhancing Transportation Safety and Efficiency" Pepared by DKS Associates TRANSPORTATION SOLUTIONS July 28, 2004









(2) Literature Review – Near Completion Examples:

- Tampa Connected Vehicle Project Readiness Report
- USDOT State of the Practice on Data Access, Sharing and Integration

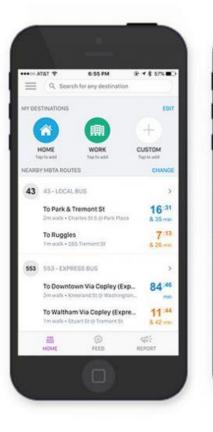
(3) Needs Assessment – *In Progress*

- Completed stakeholder workshops with 13
 internal focus groups
- Integrating the TTP Manager's role to identify emerging transportation technologies.
- Needs will guide the a short-, mid-, and long-term strategic ITS deployment plan.



4 Public Outreach – In Progress

• Utilize focus group to enhance traveler information to Bellevue travelers.



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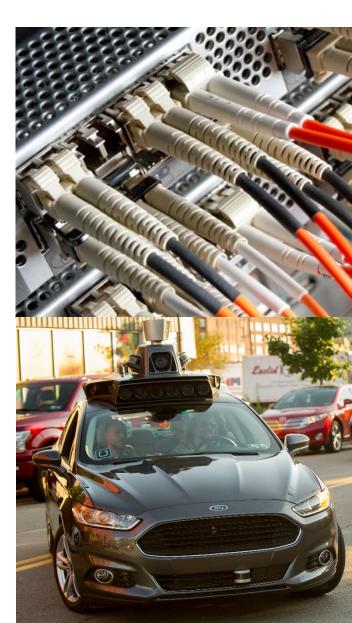
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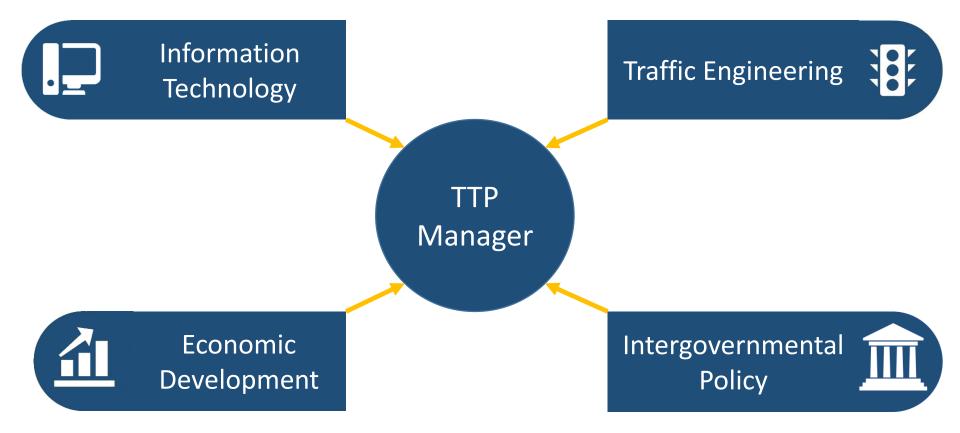
5 Communication Infrastructure Plan – *In Progress*

• Supports the future build-out of ITS in the City of Bellevue

- 6 Deployment Plan for Future ITS – Next Steps
 - Develops a strategic order of ITS projects for the City.

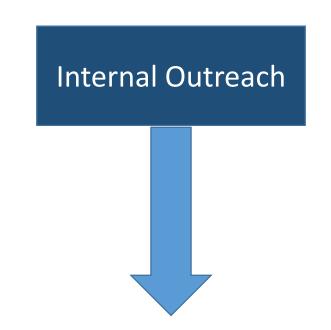


Transportation Technology Partnership Manager Interdepartmental Support Structure



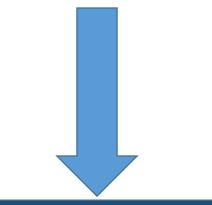
Transportation Technology Partnership Manager First 90 Days

- Bellevue Smart City Plan
- ITS plan update
- Commute Trip Reduction
- Electric vehicle charging
- Grand Connection
- Station area planning
- Data development and sharing

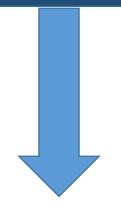


Transportation Technology Partnership Manager First 90 Days

- PSRC, WSDOT, King Co.
- Bellevue Downtown Assoc.
- Innovation Triangle
- Bellevue Chamber
- PSE, Microsoft, INRIX, Google, PACCAR, UW, GIX
- Car & Ride Share Services
- USDOT and other granting agencies



External Outreach



Transportation Technology Partnership Manager First 90 Days

- Coordinate with Smart Cities Strategy
- Integrate findings in ITS Deployment Plan
- Update Council in July





Questions?

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