



# SMART MOBILITY

## Plan Update



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# PRESENTATION OUTLINE

1

**Update on Smart  
Mobility Plan**

2

**Submittal of  
ATCMTD Grant**

3

**Introduction of  
Smart Mobility  
Interest Statement  
Principles**

**Ask: Initial input on principles of Smart  
Mobility Interest Statement**

# Smart Mobility **PLAN INTEGRATION**



**Smart Cities**



**Transportation  
element of Bellevue  
Smart**

# Smart Mobility **VISION**

Use innovation and partnerships to deploy emerging technologies that enhance the safety, sustainability, efficiency, and accessibility of Bellevue's transportation system.



# Smart Mobility **GOALS**

1. Make Bellevue a nationally recognized leader
2. Improve safety
3. Leverage Bellevue's ITS network to support the growth of the technology industry
4. Improve the efficiency of the roadway network
5. Expand and enhance ITS functions
6. Create more mobility choices
7. Provide accurate and timely information
8. Enhance sustainability
9. Pursue private and public-sector funding partnerships

# Smart Mobility Plan **INITIATIVES**

**1. TRAFFIC MANAGEMENT**

**2. REAL-TIME TRAVELER INFORMATION**

**3. DATA MANAGEMENT**

**4. ELECTRIC VEHICLES**

**5. AUTONOMOUS & CONNECTED VEHICLES**

**6. SHARED MOBILITY**

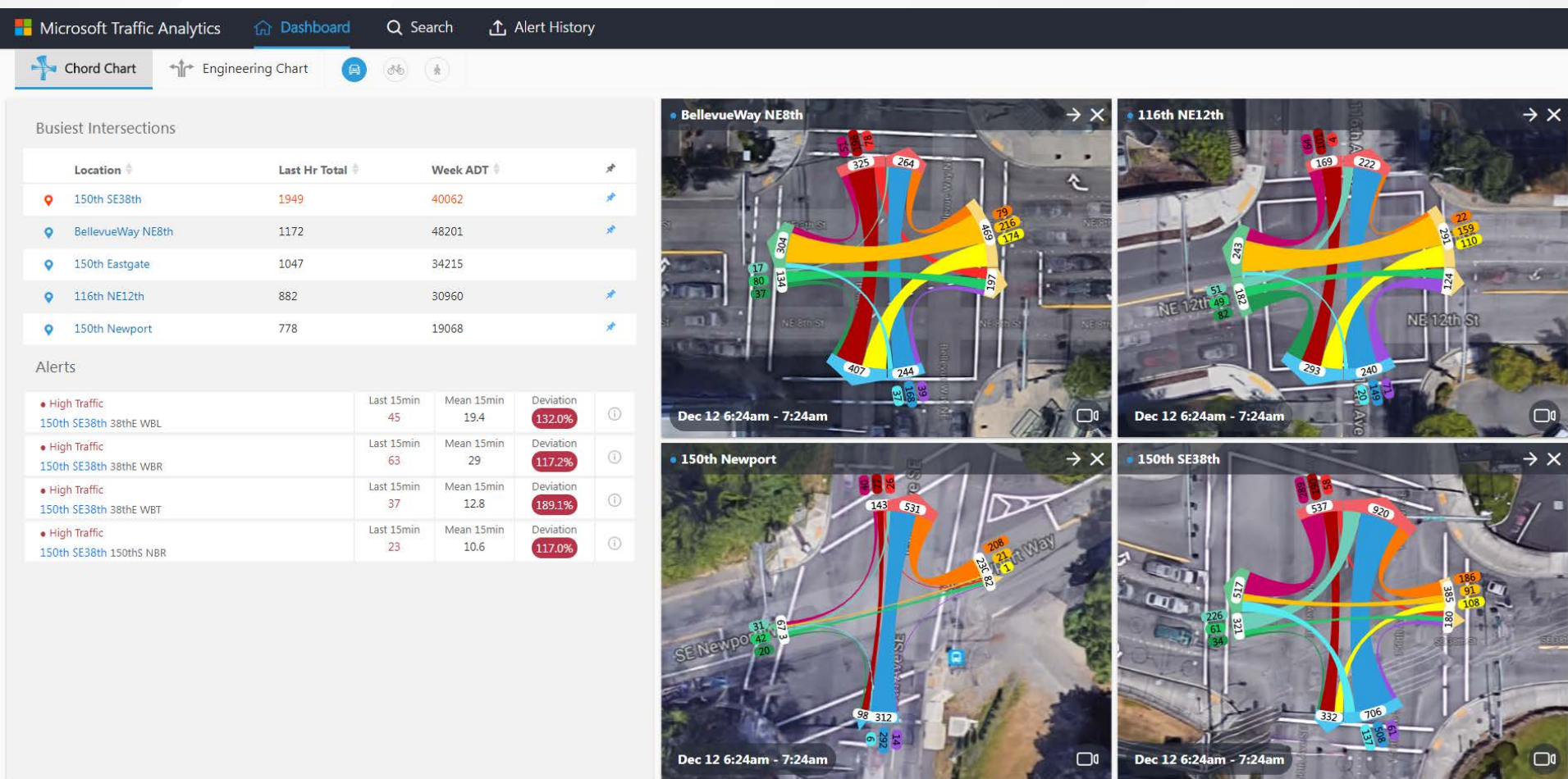


# Traffic Camera and Communication Upgrade

- 100x increase in network bandwidth
- 30 day retention goal met for 360 cameras



# Microsoft Video Analytics Pilot





# NORCOM Interface

-----Original Message-----

From: [paging@norcom.org](mailto:paging@norcom.org) [mailto:[paging@norcom.org](mailto:paging@norcom.org)]

Sent: Wednesday, May 16, 2018 2:12 PM

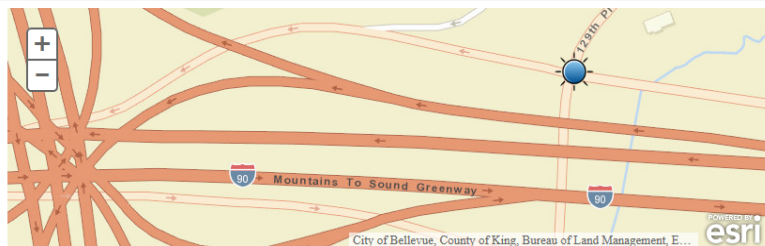
To: Tirhi, Raid <[RTirhi@bellevuewa.gov](mailto:RTirhi@bellevuewa.gov)>

Subject: BLVUTraffic Group Page

Priority Call for BLVPD in Progress: CFS #290 TA at RICHARDS RD / SE EASTGATE WAY  
<http://bit.ly/2KrpvGb>

raadar.norcom.org x + -

https://raadar.norcom.org/RAADAR/mobileAddrDetail.asp



TA  
RICHARDS RD / SE EASTGATE WAY

15:46:11	agrannis	2ND T29
15:43:29	esilveira	
15:13:43	ncurry	7b41 ent omh
14:48:15	drandall	PER 7B44 TRUCK CLEARLY HAD RED LIGHT FOR 30 SEC AND W/B TRAFF HAD GRN THEN TURNING YELLOW
14:31:40	dcastiglione	STREETS REQ'D
14:30:12	drandall	b356- street sweeper requested for today
14:17:09	esilveira	SVR Notes: MAC
14:15:09	drandall	B356 REQ TOW ATM0314 - TOYT CAMRY
14:11:53	drandall	b356 - head inj pt req aid
14:10:44	dcastiglione	Narrative added from associated Call #: 293 - SIL TOYOTA CAMRY PT WITH HEAD INJ
14:10:30	drandall	Narrative added from associated Call #: 293 - 2b5
14:10:30	dcastiglione	Narrative added from associated Call #: 293 - PD ARRIVING ON SCENE
14:09:46	drandall	p324 will try to get vehs out of road
14:09:23	drandall	blk both nb lanes

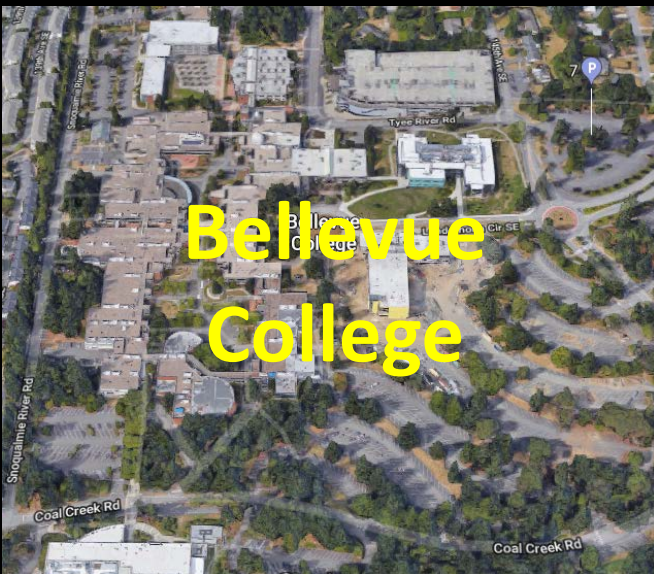


# Eastgate Mobility Hub





# AV Demonstration September 22-23



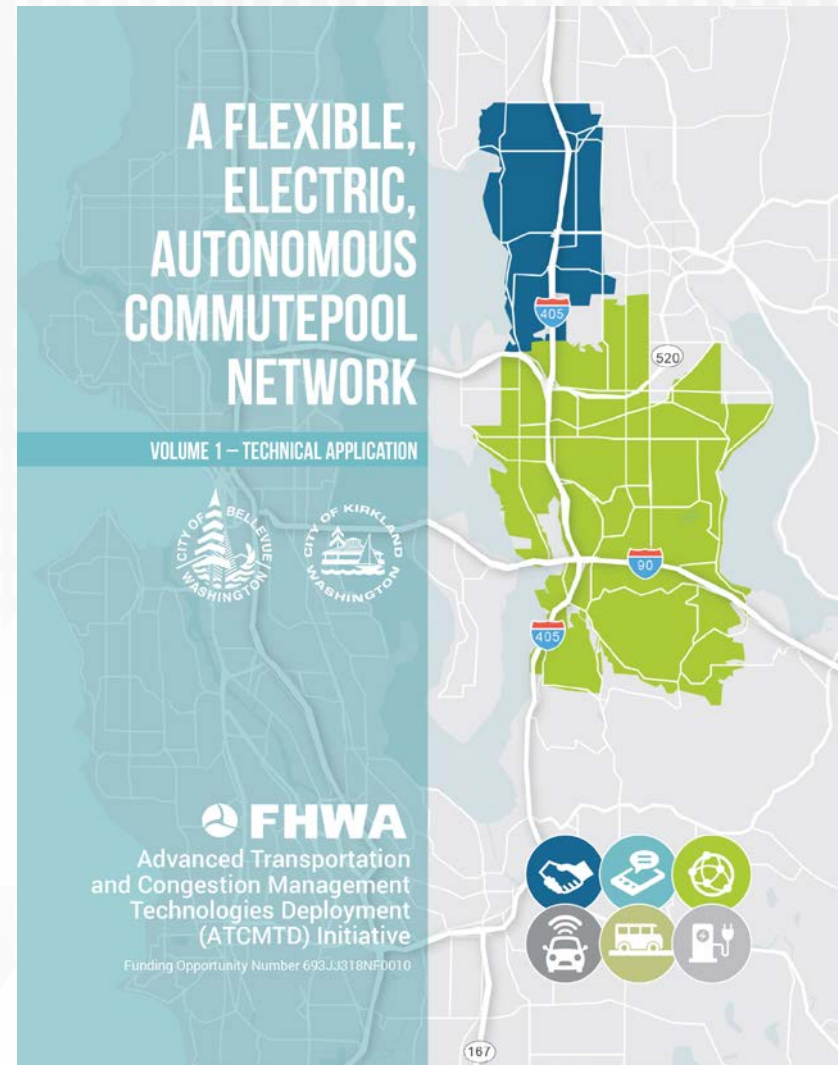
# “THE GRANT”

## Advanced Transportation & Congestion Management Technologies Deployment (ATCMTD) Initiative



# Grant Background

- USDOT Grant
- Submitted today!
- Total project cost: ~\$9M,  
Grant ask: ~\$3M
- Letters of support from 28  
public and private partners
- Grant award announcement  
by October 2018
- Three year grant project





# Program Building Blocks



## EMPLOYER PARTNERSHIPS

To focus on commute solutions for Bellevue and Kirkland employees



## SMARTPHONE APPLICATION

Enable employee reservation and determine pick-up and drop-off locations



## COMMUTEPOOL NETWORK (CPN) ADMINISTRATION

Coordinate, market and administer the CPN platform



## FLEET OPERATOR

Operate a connected, electric, eventually autonomous vehicle fleet for the CPN program



## CURB MANAGEMENT SYSTEM

Provide safe, convenient drop off locations near employer locations



## EV CHARGING INFRASTRUCTURE

Provide convenient charging in service areas

# How would it work?





## Deployment Partners



## Research/Evaluation Partners



Flexible, Electric, Autonomous Commute Pool



# QUESTIONS

# Smart Mobility **INTEREST STATEMENT**

## Possible Principles of Interest Statement

- Public safety
- Public benefit
- Measurable outcomes
- Economic development and livability
- Transportation technology advancement
- Supportive regulatory framework
- Partnerships
- Public engagement and transparency



# Smart Mobility **NEXT STEPS**



**Develop draft Interest Statement**



**Continue building momentum for Commute Pool program**



**Search for additional funding/partnerships**



**Finalize Smart Mobility Plan**



# QUESTIONS

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