



## ***2008 ITS Washington Annual Meeting***

***Wednesday, November 12, 2008***

***9 AM – 4:30 PM***

***Meydenbauer Center  
Bellevue, Washington***

### ***Final Agenda***

- 9 am **Welcome and Introduction**  
**Nick Marquardt, Sound Transit, 2008 ITS Washington President**

#### **SESSION 1**

- 9:15 am – 10:30 am **Regional Arterial Operations**  
**Presenters/ Panel**  
King County - Aileen McManus  
City of Bellevue - Fred Liang  
DKS and Associates - Jim Peters  
WSDOT - Michael Forbis

Washington State has several regions that are in the process of providing regional coordination of signal operations on arterial routes and in coordination with the freeways and state routes. The session will include a brief update of the Puget Sound Region RTOC Committee activities and then turn to methods of arterial signal operation including Traffic Responsive and Adaptive Traffic Control and Central Systems Center to Center Communication future capabilities.

#### **SESSION 2**

- 9:15 am – 10:30 am **Tolling and Congestion Management**  
**Presenters/ Panel**  
IBI Group - Bart Cima  
WSDOT - Tyler Patterson  
WSDOT - Jennifer Charlebois  
WSDOT - David Pope

This session will look at the state of tolling technology and the various tolling and congestion management projects throughout the State.

- Tolling Technology – 101
- SR 167 HOT Lanes Project – The First Six Months
- SR 520 – Tolling and Active Traffic Management Concept of Operations
- Columbia River Crossing Tolling Update

### SESSION 3

- 10:45 am – 12 pm

#### **Traveler Information Systems**

##### **Presenters/ Panel**

WSDOT - Vinh Dang  
University of Washington - YinHai Wang

The session will focus on research and the state of advanced WSDOT Traveler Information System deployments. First, an overview of current research at the Smart Transportation Applications and Research Laboratory (STAR Lab) of the University of Washington is provided. Recent developments in traffic sensor-data based arterial travel-time estimation and travel-time data collection using Bluetooth MAC address matching are highlighted. Then, the state of the practice in WSDOT Traveler Information Systems is introduced. Interesting topics, such as recent web site enhancements, 511 systems, and real-time roadside travel time information (VMS) are addressed.

### SESSION 4

- 10:45 am – 12 pm

#### **Traffic Management Centers – Lessons Learned**

##### **Presenters/ Panel**

WSDOT – Nick Wilson  
King County – Norton Posey  
Snohomish County – Jim Bloodgood

Traffic Management Centers (TMC) provide active control, monitoring, response coordination and data collection from field infrastructure. Currently in the Puget Sound region, 12 agencies have active TMC facilities, with 5 others currently being planned. This session will include a panel discussion with operators from traffic management centers large and small describing their center, operations, communications, and tips for those looking to establish their own.

- 12 pm – 1 pm

#### **LUNCH**

##### **Sound Transit 2 - Mass Transit System Expansion**

**Matt Sheldon AICP, Program Manager, Sound Transit**

## SESSION 5

- 1 pm – 2:30 pm **Wireless Communications for ITS Applications**

### **Presenters/ Panel**

WSDOT – Tim McDowell  
City of Lynnwood – Dick Adams  
Snohomish County – Jim Bloodgood

This session will address when and why to use wireless technology for ITS related applications. The speakers will review the factors that need to be considered when designing a wireless network for CCTV video, signal control and data collection. Topics will include type of technology used, wireless bandwidth (Ethernet & Serial) requirements, sample specifications, equipment needs (radios, routers, switches, etc.), licensed versus unlicensed frequencies, system security, benefits, challenges and lessons learned.

## SESSION 6

- 1 pm – 2:30 **Transit ITS Applications**

### **Presenters/ Panel**

King County Metro – John Toone  
Sound Transit – Cheryl Huston  
Sound Transit – Jeff Demarre

This session will provide an overview of near term deployments of regional transit ITS systems and applications, including operator upgrades of on-board systems, computer aided dispatch systems, communications, and fare collection. Topics will focus on what is in installation over the next two years, the status, and how operators are preparing for their deployments

## SESSION 7

- 2:45pm – 4:15pm **Bus Rapid Transit Design and Implementation**

### **Presenters/ Panel**

Community Transit– June Devoll  
King County Metro – David Cantey  
IBI Group – Phil Klinkon

This session will address Bus Rapid Transit station and system design elements for new systems that are in final design and systems that are implementation. Bus Rapid Transit Systems contain many unique functional design elements that are critical for system success. The session will provide an overview of systems design success criteria that have been incorporated into new BRT systems. Panel members will focus on these design elements and discuss their importance to a complete system of unique operating functions

## SESSION 8

- 2:45pm – 4:15pm                      **Wired Communications for ITS Applications**

### **Presenters/ Panel**

City of Marysville – John Tatum  
IBI Group - Adrian Pearmine  
Snohomish County – JD Braathen

This session will provide an overview of wired technology for ITS related applications. The speakers will review the factors that need to be considered when designing a wired network over copper and fiber optic for the use of high-bandwidth Ethernet field applications. The session will also address interagency network sharing.