



**TransPort Technical Advisory Committee**

Wednesday, January 12, 2011

1:00 p.m. –2:30 p.m.

ODOT Region 1

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**Meeting Notes**

**In Attendance**

Thomas Bauer (Mygistics), Christina Fera-Thomas (Hillsboro), Kate Freitag (ODOT), Jim Gelhar (Gresham), Nemariam Haregu (DEA), Scott Harmon (DEA), Kyle Hedspeth (ODOT), Tu Ho (Beaverton), Peter Koonce (Portland), Dennis Mitchell (ODOT), Steve Perone (PTV America), Deena Platman (Metro), Shaun Quayle (Kittelson), Matthew Rohrbach (Metro)

**Navigation Data Mining for Transportation**

Steve Perone, PTV America, gave a presentation on one of the latest traffic data analysis tools. TOM TOM GPS mobile device collects travel data that is stored by the company. TOM TOM, in partnership with PTV, is making historical speed data available via a web portal. When the GPS data was compared with the sensor data stored in PORTAL, both data sets were closely aligned. The data is valuable for calibration in operations and planning. A copy of the presentation is attached with this meeting summary.

TransPort members questions included:

Q. Is the data only for a single facility? Is it for one time period only?

A. Parameters can be set for an area, capturing a network of streets. It can also be purchased for a set duration of time.

Q. What is the penetration for arterials?

A. Presenter did not have information on the sample size, but arterial data is captured.

**IntelliDrive**

Peter Koonce, PBOT, gave a briefing on an FHWA workshop that he attended on IntelliDrive. An early focus for IntelliDrive is the standardization to 5.9 GHz for communications for safety and tolling. IntelliDrive has also evolved to include multimodal focus and consideration of environmental impacts. The components of IntelliDrive include:

- Vehicle to vehicle communications
- In vehicle technologies
- Infrastructure to vehicle communications
- On-road multimodal pilot

- Monitor and evaluate driver distraction

Public sector role in all of this is still a big question. Examples of applications include pushing data to enforcement = date and time stamped data can be provided to safety responders. In vehicle safety system data can be useful for operators = Volvo lane departure warning/auto braking can generate information that can be use for evaluation of roadway design/operations.

### **Project Updates**

City of Portland – bid came in lower than expected on the Powell Blvd SCATS project, so they are adding an emissions collection element. PSU is helping to identify a couple of locations along the corridor to measure the air quality benefits of adaptive control.

ODOT – installing 40-45 additional detection sensors to provide better coverage on the region’s freeways. Data will provide better information to TripCheck and be included in PORTAL. ODOT is investigating using Wavetronix sensors to gather travel data. The cost is about \$10K per location.

Metro – TripCheck Local Entry tool has been “soft launched” and agencies are starting to input data. TransPort funding recommendation was shared at January TPAC meeting. JPACT will see presentation in February. A state of TSMO report will be developed. Deena Platman will send a request for information to TransPort members in February.

Meeting adjourned at 2:30 p.m.