



**TransPort Technical Advisory Committee**

Wednesday, October 12, 2011

1:00 p.m. – 2:00 p.m.

Portland State University

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**Meeting Notes**

**In Attendance**

Amica Bose (Hillsboro), Orlena Chin (DEA), Jim Gelhar (Gresham), Kate Freitag (ODOT), Jabra Khasho (Beaverton), Peter Koonce (PBOT), Sirisha Kothuri (PSU), Dennis Mitchell (ODOT), Chris Monsere (PSU), Deena Platman (Metro), Shaun Quayle (Kittelson)

**Introductions & Announcements**

- Shaun Quayle, Kittelson, announced a Kittelson-sponsored workshop on November 9<sup>th</sup> to share lessons learned on the Flashing Yellow Arrow deployment in Washington Co. The November TransPort meeting will be incorporated into this workshop.
- Deena Platman, Metro, requested TransPort's approval for a letter of support on behalf of OTREC's application for a University Transportation Center designation.

**Hwy 217 Active Traffic Management Project**

Dennis Mitchell, ODOT, gave a presentation on the Hwy 217 Active Traffic Management Study. ODOT is requesting a letter of support from TransPort for a STIP/MTIP amendment to fund this operations project. It is an outgrowth of ODOT's Hwy 217 Interchange Management Study. The project will use variable message signs strategically placed along the corridor for queue warning and travel time. Signs will be placed on the mainline and arterials leading to interchanges. The project is also selectively widening shoulders to provide room for improved incident management operations. The project addressed a documented safety issue – 1 crash occurs every other day on the facility, 70% rear end crashes. The project will be combined with a research project on the US 26/Hwy 217 interchange to address geometry and weather issues by installing weather-related speed warning signs and sensors. The total project cost is \$10 million. A copy of the project flyer is attached.

TransPort questions and comments included:

- Q. Evaluation of expected benefits? A. Analysis was completed in the original study and documented safety benefits.
- Q. What about staged towing? A. Not included in this project. ODOT is still evaluating the downtown project.

Q. Are there studies on benefits of queue warnings? A. Not aware of any but it is an opportunity for research.

Comment – Kittelson is completing a queue warning system analysis in Eugene.

Q. Was there a literature review? A. No

Q. Pertaining to the Transportation Planning Rule and Oregon Highway Plan updates, is active traffic management a mitigation options for developers? A. N/A

Comment – The equipment should be in place for a before and after evaluation.

TransPort members would like to comment on the TPR and OHP changes. Deena Platman will provide information to membership for comment.

### **Real Time Data Capture and Management Program**

Gene McHale, FHWA, gave a presentation on USDOT's efforts to advance its connected vehicle program. The focus of the data element is multimodal and connected data sharing. The three data share elements are vehicle to vehicle; vehicle to infrastructure; and vehicle to traveler information. Today, FHWA is looking at Dedicated Short Range Communication as the communications tool to make these technologies connect. But it is also investigating other wireless technologies like cellular. The big focus is on how to benefit traveler safety. FHWA has created a data framework for multimodal, real time data. It consider Application, Technology, and Policy. The data environment is a well organized collection of data that is: 1. Stored regularly; 2. Turned into information; 3. and applied to applications.

The USDOT ITS Joint Program Office is in the process of developing a prototype data environment, a web-based portal to store and access multimodal data. It is at [www.datacapture.noblis.org](http://www.datacapture.noblis.org)

Meeting adjourned at 2:00 p.m.