

TransPort / Summary DRAFT

TransPort, Subcommittee of Transportation Policy Alternatives Committee (TPAC)
Thursday February 8, 2023, 1 to 2:30 pm online

Attendees:

AJ O'Connor, Vice Chair	TriMet
Alex Colosivski	Currux Vision
Alison Tanaka	City of Portland
Basem Elazzabi	PSU
Bikram Raghubansh	City of Portland
Cadell Chand	OSU
Caleb Winter	Metro
Carl Olson	Clackamas County
Chris Low	City of Hillsboro
Christopher DeLorto	Currux Vision
Dennis Mitchell	DKS
Dustin Ross	ODOT
Ho Nguyen	City of San Jose
Iona Cosmas	Clackamas County
Jabra Kasho	City of Beaverton
Jason Spencer	Western Systems
Jim Gelhar	City of Gresham
John Fasana	Washington County
Kate Freitag, Chair	ODOT
Katherine Bell	ODOT
Mike Burkhart	ODOT
Nick Fortey	FHWA
Pete Koonce	City of Portland
Scott Turnoy	ODOT
Summer Blackhorse	Metro
Susie Serres	ODOT
Tammy Lee	PORTAL
Ted Leybold	Metro
Theresa Rohlf	ODOT
Tina Nguyen	City of Beaverton
Tom Hoene	Currux Vision
Will Farley	City of Lake Oswego

Introductions and Announcements

Chair Kate Freitag called the meeting to order at 1 p.m. She asked the committee for announcements and project updates.

'round the Table Updates

- Caleb Winter with Metro gave an update on the Safe Streets for All Grant awarded to the City of Portland and \$2.4 million awarded to Metro. Bikram Raghubansh with City of Portland noted that they will use funds for traffic signals on 122nd to install Pedestrian Head Start LTIs, push buttons and signal timing review.
- Dustin Ross with ODOT and the Traffic Incident Management (TIM) Coalition reviewed the TIM training he attended in Seattle that covered electric vehicle crash training. He noted that they will hold an online version of the training for first responders in June.
- Tammy Lee with PSU PORTAL stated they had reached a 90 percentile but have station meta data and travel time updates to complete.
- Bikram Raghubansh Gave an update on several projects. Columbia Blvd project, Phase 1 is closed out and the Airport Way Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) has a contractor and is now underway. Further, the Barbur Blvd Intelligent Transportation Systems (ITS) project was awarded to Standard Utilities. The contract will be executed by end of month. Finally, the 82nd ITS project did inhouse upgrades to replace 18 controllers with Q-free controllers, making it one system.
- Alison Tanaka with the City of Portland and Central Signal System announced that they are testing the system using city of Portland intersections and will train with Q-free next week. Further, the city will move more intersections online with kinetic signals and continue to work to get partner agencies connected.
- Caleb announced that the next Cooperative Telecommunications Infrastructure Consortium (CTIC) meeting will be held on March 15.
- Caleb announced that the next ITS quarterly network update would be held on April 26. AJ O'Connor with TriMet also announced they will use the ITS network and work with install Palo Alto firewalls to enhance security for the City of Beaverton. Further, he requested that they schedule a meeting before April. Caleb stated that WSDOT SR 14 and the Rose Quarter project will have an impact on the ITS ring.
- Chair Kate Freitag with ODOT, announced that the ATCMTD Cornelius Pass, 212 and 224 projects are complete, and that curb warnings and Trip Check is active. ODOT will begin work on evaluating the I-5 Active Traffic Management (ATM) project from Capital Hwy to Marquam. The OR 8 fiber project is progressing. Scott Turnoy with ODOT noted that that they are partnering with Metro and Clackamas County on the I-5/I-205 ATM project. Their consultant, Dennis Mitchell with DKS stated that they will provide interviews and surveys for operational information and modes to several agencies. Scott also noted that Katie Bell, Caleb, Chari Freitag, and himself were good contacts for project updates.
- Carl Olson with Clackamas County noted that the Freight ITS project is in construction. The next phase of the project is to work with ODOT on an IGA. The Canby Ferry project is also up for bid this month.
- John Fasana with Washington County announced that they had installed ATCMTD, except for one intersection. Additionally, Durham Adaptive is working on a before and after study.
- Tina Nguyen with the City of Beaverton noted that they have DKS doing design work on the Washington Square Adaptive project and that they are also working on purchasing. Project completion is set for 2024.
- Susie Serres with the City of Hillsboro is working with the County on an ATM controller and will be testing their INRIX platform soon. She will bring updates on this, and their summer ITS plan to a future TransPort meeting. Finally, Susie introduced their new traffic engineer Chris Low.

San José's use of Camera-derived Data Computer Science Capstone

Ho Nguyen with the City of San José, Alex Colosivski and Tom Hoene with Currux Vision provided information and a presentation on the use of Camera-derived Data Computer Science Capstone in San José. Alex stated that Currux Vision used artificial intelligence (AI) for intersection, highway and private infrastructure projects. Their mission is to make transport infrastructure safe and cost-effective.

Alex defined AI as a program that uses machine learning to decipher statistical data models and recognize patterns. CURRUX Vision has the capacity for multiple capabilities, including keeping agencies safe from cyber threats, accurate vehicle, bike and pedestrian detection, accurate turn counts and ATSPM data collection. Additionally, the system has automated signal timing, a traffic response system, ramp metering, sign and API real-time actuation and data transmission, and works with most existing IP or analog cameras. Finally, the system is cost-effective, easy to install and work with.

The committee discussed what metrics were produced using the program. They asked about informed traffic control decisions, in terms of coordinated versus fully actuated, and questioned if CURRUX had ATSPM metrics. Further they asked if the program had any impact of public information requests, or if there were privacy concerns. Additionally, the asked which ATC controller was interfaced with Currux Vision. Finally, Caleb asked if there were an accuracy comparison study they could access.

Alex gave examples of video detection system at work. Ho noted that street shadows and inclusions can cause false detection for poorly installed cameras. He stated that AI based systems do not have this problem. He also noted that CURRUX will catch ped and bike movement with up to 95% accuracy, which is good for Vision Zero metrics. Finally, Tom Hoene invited TransPort attendees to contact Jason Spencer with Western Systems with additional questions.

Roundtable continued

Caleb updated the committee on the 12 TSMO applications received in January. He stated that four are facility projects, four are single agency local projects located in a regionally significant area, and the remaining four are region-wide projects. Caleb said that there is \$12,264,318 in funding for this solicitation.

He stated that they are working on the review process but will send the list of projects out as soon as possible. Chair Freitag encouraged TransPort attendees to reach out to AJ, Caleb, or her with additional TSMO questions, or for information on other grant opportunities.

Adjourn

There being no further business, Chair Freitag adjourned the meeting at 2:30 p.m. The next meeting will be held online March 8, 2023.