

TransPort / Summary DRAFT

TransPort, Subcommittee of Transportation Policy Alternatives Committee (TPAC)
Thursday December 14, 2022, 1 to 2:30 pm online

Attendees:

AJ O'Connor, Vice Chair	TriMet
Alison Tanaka	City of Portland
Andrew Bastasch	ODOT
Basem Elazzabi	PSU
Bikram Raghubansh	City of Portland
Dr. Bruce Ervin	PSU
Cadell Chand	OSU
Caleb Winter	Metro
Carl Olson	Clackamas County
Dennis Mitchell	DKS
Doug Spencer	ODOT
Iona Cosmas	Clackamas County
Jabra Kasho	City of Beaverton
Jason Shaddix	ODOT
Jason Spencer	Western Systems
Jim Gelhar	City of Gresham
John Fasana	Washington County
Julia Pickar	
Kara Hall	Fehr & Peers
Maggie Lin	DKS
Matt Novak	ODOT
Mike Burkhart	ODOT
Nick Fortey	FHWA
Pamela O'Brien	DKS
Summer Blackhorse	Metro
Ted Leybold	Metro
Tina Nguyen	City of Beaverton
Will Farley	City of Lake Oswego

Introductions and Announcements

Vice Chair AJ O'Connor called the meeting to order at 1:02 p.m. He asked the committee for announcements and project updates.

'round the Table Updates

- Caleb Winter with Metro announced that the next Intelligent Transportation System (ITS) Architecture meeting would be held on January 25, 2023.
- Alison Tanaka with City of Portland updated the committee on Central Signal Systems, noting that they had to reinstall the new version and were in the process of testing. She will schedule training for the new system with the group soon.
- Bikram Raghubansh with the City of Portland gave an update on the Intelligent Transportation Systems (ITS) Architecture, noting that he had the latest version installed and converted. Additionally, he said that the City of Portland Airport Way project would be scheduling pre-con for next Monday, and the Barbur Blvd ITS project would be increasing fiber.
- Caleb stated that Traffic Incident management (TIM) coalition will schedule a large group meeting soon. He asked that the committee let him or Dustin Ross with ODOT know if they have any discussion items for the meeting. Further, he reminded them that they can coordinate TIM training through Dustin.
- Caleb discussed the ODOT press release on multi-agency safety improvements on inner Powell Blvd, which included leading pedestrian intervals, speed feedback signs for 2023, photo radar for speed zone enforcement, a travel lane study, and multi-modal safety outreach.
- Bassem Elazzabi with PORTAL noted that they are working with ODOT on station metadata for freeways and travel time (including historical data). He noted that locations will also be displayed on pages and they will have PSU students working on bike/ped PORTAL and other projects. Finally, he announced that Jason Anderson will join PORTAL next year.
- AJ O'Connor with TriMet announced that Oregon Institute of Transportation Engineers (ITE) and LITE, along with the City of Portland will present the Transit Service Provider (TSP) project in detail next week. The TSPs are performing well but are still having issues with bus only lanes and signal operation.
- John Fasana with Washington County noted that they continue to work on construction for the joint Advanced Transportation and Congestion Management Technologies (ATCMTD) project with ODOT. They are putting in Bike and ped detection. Additionally, the Durham Adaptive project and the Graham's Ferry Overheight project are up and running.
- Mike Burkhart with ODOT announced that the next Cooperative Telecommunications Infrastructure Consortium (CTIC) meeting will be held on January 18, 2023.

Drone Deployment for Crash Reconstruction

Doug Spencer with ODOT gave a presentation on Drone Deployment for Crash Reconstruction. He provided a brief background on the project, in which ODOT was awarded an \$12 million ATCMTD grant from the Federal Highway Administration (FHWA) in 2019. The funded projects used advanced technologies to improve safety, efficiency, and performance. ODOT partnered public and private organizations on various projects in the Portland metro area and Bend. The projects extend the use of existing or introduce new technologies for operating the Oregon transportation system.

Doug discussed Integrated Corridor Management and reviewed the six elements that Integrated Corridor management (ICM) architecture uses for the development and implementation of regional data sharing policies, including: establishing a multimodal detour, agreements with third party traveler information providers, shared construction schedules, implementation of dynamic demand management solutions, decision support system (DSS).

He also covered the \$90,000 Oregon State Police (OSP) UAS crash reconstruction project put in place to speed crash reconstruction work at key locations throughout Oregon. OSP sUAS locations covered, St. Helens, Salem, Central Point, La Grande and Ontario Oregon. The goal was to reduce on-site investigation time, improve data collection and reduce lane closures.

Doug pointed out that the average reconstruction time was approximately 106 minutes. Further he noted that total time for single incident sUAS was 39 minutes, with a total Robotic Total Measure Station (RTMS) set at four hours and 42 minutes. Further, Doug noted that sUAS can collect over 20 million data points. SUAS data is also uniform and does not require that investigators sort through the data.

Finally, he discussed cost comparison, saying that OSP purchased enough quantity for five sUAS, complete with tablets and accessories. SUAS are around \$6000 each, with traditional RTMS priced at \$25,000.

The committee asked if there was a plan to procure more drones, what OSPs' long terms goals might be and if other policing agencies were interested in this process. Doug noted that he did not know what OSP long term goals were but noted that the data spoke in their favor. Additionally, he was not aware of other local or regional police agencies that were interested in the program.

The committee also discussed other applications where drones might be helpful. Caleb noted that Washington State used drones for bridge inspection and maintenance. Doug mentioned that OSP drone cameras were equipped with heat and LIDAR. Bikram stated that LIDAR was a good tool for inspection, and AJ stated that TriMet used certified drone pilots to review bus only lanes with TSP. Caleb also stated that drones could be used for travel time with various facilities. He will include this information in future TIM coordination meetings and include the report that Doug had provided him.

Computer Science Capstone

Dr. Bruce Irvin, Ph.D. with PSU provided a presentation on CS capstone, a program for senior students to help sponsors (private companies, non-profits, and government agencies) implement transportation projects. Students work in groups of six to eight over a twenty-week (two quarter) time span to participate in project-based education. This helps them prepare for the work world, gain practical work experience and build community relationships. Examples of projects students are interested in are: analyzing and configuring meta-data, store, filter, and query large sets of aerial imagery, simulate test drives on world roads and run searches in civic services information.

Dr. Irvin reviewed sponsor roles and schedules, and how to manage intellectual property. Finally, he provided a list of links and contact information.

Caleb will check with Metro staff to see if they can use this option through PSU. Bruce stated that the committee can use slides, located here:

https://docs.google.com/presentation/d/1ROZ3pR0UhdBH4GjDqva43ydQCDiyoZbyk_5kutwD8p4

to help provide information for interested parties.

2018 Project List Review

Caleb Winter supplied a spreadsheet of existing projects to get the committee's thoughts on future planning and project completion. He discussed reviewing long-range, region-wide planning projects to help define what resources might be needed for the coming decade. Caleb noted that they are a month away from placing the call for projects for the Regional Transportation Plan (RTP). Further, he stated that there was an extensive list of Transportation Systems Management and Operations (TSMO) projects that they need to review from a regional standpoint. Caleb also noted that some projects were completed,

while others are not moving. Further, he said that they would drop finished and add new projects, as needed.

Carl Olson with Clackamas County noted that funding will be available 2024-27 for the Clackamas project. Ted Leybold announced that Metro RTP staff had just released instructions to lead planners. He stated that planners would be in contact with their agencies, but that Metro will update TransPort on projects for federal funding. Caleb also called out that FHWA had asked them to use future year dollars.

Bikram asked him to share the spread sheet so they can complete it and resubmit it back to him. Caleb asked the committee to please reread chapter five of the TSMO Strategy and reminded them that the call for projects does not open until January 6, 2023. Finally, Ted provided a link on the RTP process, <https://www.oregonmetro.gov/public-projects/2023-regional-transportation-plan/projects>

Adjourn

There being no further business, Vice-Chair O'Connor adjourned the meeting at 2:25 p.m. The next meeting will be held online January 11, 2023.