

PORTAL-VAST Project Update
TSMO Steering Committee
September 26, 2018

PORTAL Updates

User Engagement (Task 3)

- *Progress:*
 - User documentation available as static website and work in progress:
<https://adus.github.io/portal-documentation/>
- *Partner Needs:*
 - Feedback on updates to website and documentation
- *PSU Team Next Steps:*
 - Waiting for feedback from partners.
- *Goals:*
 - Continued updates at RTC meetings and periodic meetings with RTC, Clark County, WSDOT, C-TRAN and City of Vancouver staff.

Highway Data / WSDOT (Task 2A)

- *Progress:*
 - Preserve days of week - done
 - Average volume - done & validated
 - Station validation - Valid and unassigned stationids identified, need to verify unassigned stationids and remove invalid stations.
 - Review and implement data qa/qc - Demo preliminary QA/QC work in Shiny
- *Partner Needs:*
 - Work with PSU Team on QA/QC and station validation.
- *PSU Team Next steps:*
 - QA/QC: Continue working on QA/QC feedback on UI and methods; repeat until satisfied with results.
 - UI: Modify dropdown menu
- *Goals:*
 - Automated import of station data.
 - WSDOT Freeway Travel Time Data

Vehicle Length Data (Task 2E)

- *Progress:*
 - Vehicle length data Enhancements to WSDOT vehicle length data in PORTAL UI
- *Partner Needs:*
 - Any additional feedback on vehicle length page
- *PSU Team Next Steps:*
 - Respond to RTC comments on vehicle length page

- *Goals:*
 - Enhancements to WSDOT vehicle length data in PORTAL UI

Transit / C-TRAN (Task 2B)

- *Progress:*
 - PSU-Internal work on SFTP setup (transition)
- *PSU Team Next Steps:*
 - Coordinate with C-TRAN to get data on an ongoing basis; identify a data transfer plan that is satisfactory to both C-TRAN and PSU and validate change averaging for C-TRAN.
- *Partner Needs:*
 - Coordinate with PSU team on next steps.
- *Goals:*
 - Publish additional ridership and on-time performance data in the Portal UI and update and validate UI.
 - Investigate adding C-TRAN data to the contour plot and research archiving of the 6-second bus position data

Arterial / Clark Cty (Task 2C)

- *Progress:*
 - Limited progress this time period
 - SPAT feed is stuck
- *PSU Team Next Steps:*
 - Fix SPAT feed.
 - Coordinate to understand how data may be used. What expertise can we draw on?
- *Partner Needs:*
 - Work with PSU team to fix SPAT feed. Do we need to archive all SPAT data? (Rob K has achieved his goal :))
- *Goals:*
 - Continue archiving SPAT and Wavetronix data and update UI as requested
 - Coordinate with VAST to determine how this data may be useful to Portal and to VAST.

Travel Time (Task 2D)

- *Progress:*
 - Limited progress this time period.
- *PSU Team Next Steps:*
 - Waiting for Clark County server upgrade and segment information
- *Partner Needs:*
 - Need project or projects for Clark County bluemap data
 - Related (for STEVE): need bluemap station and segment information

- *Goals:*
 - Evaluate work done on Travel Time page with VAST to understand its usefulness to VAST. Minor enhancements and fixes to UI as requested.
 - Travel time study (STEVE) updates: have scripts and some documentation, now working on implementation

WSDOT Incident data (Task 2F):

- *Progress:* No work this time period
- *Goals:* Investigation

Maintenance (Task 1):

- Info: Will need new storage in about a year.
- Info: Recent server outages; affected web sites and data feeds.

Project Management (Task 4):

- *Goals:*
 - Research impacts of increased data volumes from data sets such as the Purdue data, Transit breadcrumb data, CV/AV etc.; consider tradeoffs of using cloud software and scalable no-sql data management systems.
 - Continue improvement of the software development process, ideally including regular feedback from Vancouver users on PORTAL UI developments.