

PORTAL Progress Report
March 2018 – July 2018
(2017 Metro MTIP – WOC 8)

This report summarizes progress on the PORTAL project from March 2018 through July 2018.

Major Accomplishments (March 2018 through July 2018):

- Historical data fetching for bluemac data (Washington County) is finished (1B).
- Implementation of data availability for stations page is complete (3A).
- User documentation of PORTAL is available and will be an ongoing maintenance task (1D).
- Additional selectors and filters added to highways page (3D).

Updates By Task:

Task 1: Maintenance

| Task | Status | Comments | Level of Effort (from Scope) | Est Pct Complete as of 8/24 |
|--|---------------|--|-------------------------------------|------------------------------------|
| 1A. Data Feed Maintenance | In Process | This task covers maintenance to all data feeds including the DAC data feed. Automated import of ODOT freeway meta-data. Regular level of activity this time period. | 5% | Ongoing |
| 1B. Internal system changes, etc. | In Process | Limited activity this time period. | 5% | Ongoing |
| 1C. Code Upgrade | Complete | Implementation of Download page is complete. | 8% | 100% |
| 1D. Documentation of Existing Features | In Process | User documentation of PORTAL pages (including definitions, additional resources, how to use PORTAL, etc.) is available at https://github.com/adus/portal-documentation . User documentation is now an ongoing maintenance task. | 3% | Ongoing |
| Total: | | | 21% | 100% |

Note: The “Est Pct Complete” column indicates the percent complete for that task or line item. If a task is “ongoing” then that task is considered complete but is continually monitored and maintained. In the table below, task 2C is 50% complete but as a whole, task 2 is 70% complete. At the end of the contract, all items in the Est Pct Complete column are expected to be 100%.

Task 2: User Engagement, Training & Support

| Task | Status | Comments | Level of Effort (from Scope) | Est Pct Complete as of 8/24 |
|-------------------------------------|---------------|--|-------------------------------------|------------------------------------|
| 2A. User Engagement & Communication | In Process | The team has established a process of monthly portal power users meetings attended by agency staff and consultants. Meetings are documented on the GitHub wiki for the project. | 3% | Ongoing |
| 2B. Support & Usability | In Process | Ongoing, respond to support requests as needed. | 15% | Ongoing |
| 2C. Training | In Process | A one-day workshop on using R in transportation science will be taught at the Transportation and Communities Academy in September. PORTAL will be a featured data source. Materials developed for the course will be made available and can be viewed at https://github.com/TC-piRatecat-2018 . | 2% | 50% |
| Total: | | Note: More effort was spent on training (2C) than support and usability (2B). | 20% | 88% |

Task 3: Enhancements

| Task | Status | Comments | Level of Effort (from Scope) | Est Pct Complete as of 8/24 |
|--|---------------|--|-------------------------------------|------------------------------------|
| 3A. Data Availability | In process | Implementation of availability for stations page is complete. This is now an ongoing task, as new sources become available these sources will be identified as specific tasks below. | 10% | On going |
| 3B. Vehicle Length Data - Map | Complete | Implementation of a map for vehicle length page is complete and is awaiting user feedback (Fig 1). | 7% | 100% |
| 3C. Ramp Data | Complete | Implementation of adding ramp data to PORTAL UI is complete (Fig 2). | 9% | 100% |
| 3D. Selected Road Facility Segments for Analysis | Not started. | Additional selectors and filters added to highways page and is awaiting user feedback (Fig 3) | 5% | 80% |
| 3E. Regional Performance Reporting. | Limited work. | Few regional performance metrics have been proposed but no definitive work plan or metrics have been decided. | 9% | 10% |
| 3F. Travel Time Interface | Limited work. | Need to define next steps. One possible addition to the travel time interface could be to calculate and provide future travel time predictions. | 9% | 2% |
| Total: | | | 49% | 65% |

Task 4: Results Dissemination

Dr. Kristin Tufte will be giving a presentation at the Northwest Transportation Conference (NWTC) in March 2018. In addition, Dr. Tufte attended TRB where she is on the TRB Urban Data Committee (ABJ30) and co-chairs a subcommittee of ABJ30, the Urban Big Data Subcommittee. ABJ30 co-sponsored a half-day workshop at TRB. The workshop was very well received with approximately 200 attendees.

5% / 100%

Task 5: Project Management & Reporting

The internal Project Management structure for PORTAL has been reworked to provide for a more structured and improved development process that is based on industry best practices and uses GitHub projects and issues for tracking all development work, including features, bugs and data request. The GitHub projects and issues are visible to all PORTAL TAC members and users who establish GitHub accounts. Progress is reported to TransPort monthly, and progress reports are generated quarterly. The next TAC meeting is TBD.

5% / 75%

Figures

Fig 1. Screen shot of Vehicle Length page (Task 3B).

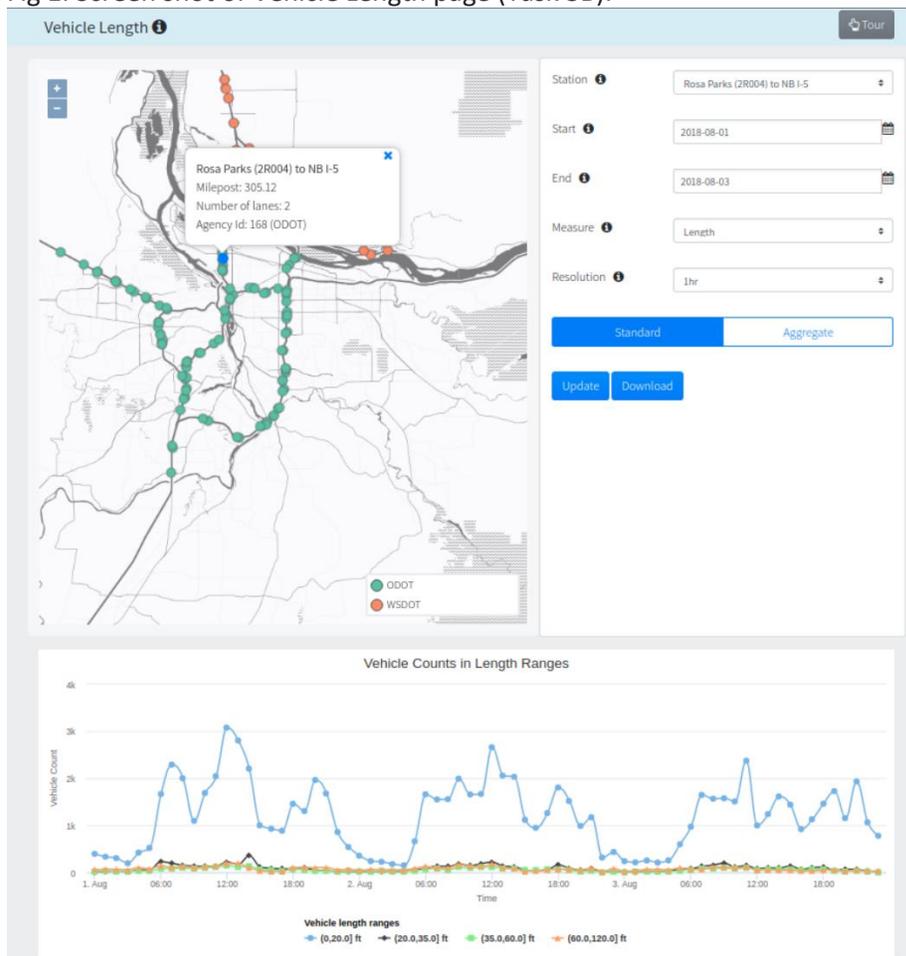


Fig 2. Screen shot of added ramp data on Stations page (Task 3C).

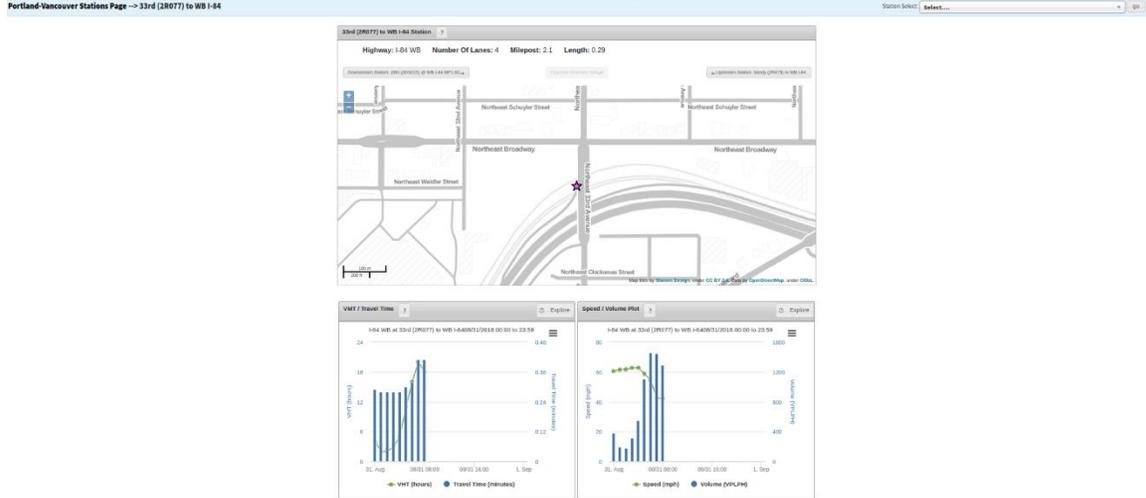


Fig 3. Screen shot of added selection features (boxed in red) on Highways page (Task 3D).

