

What's new with PORTAL:

Data sources, user tools, and some basic visualizations of traffic trends since COVID-19 was detected in Oregon

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What is PORTAL?

- Multimodal transportation data archive for the Portland-Vancouver-Hillsboro Metropolitan area.
- Data is used for the production of regional performance measures, research, and educational opportunities.
- Data includes:
 - Highway: speed volume, occupancy, VMT, VHT, travel time, delay
 - TOC incident data, VMS, VAS
 - Vehicle length: volume
 - Transit: quarterly ridership & on-time performance
 - Arterial: traffic signal data, bike counts, system detector counts
 - Weather: wind speed, temperature, humidity, precipitation, visibility

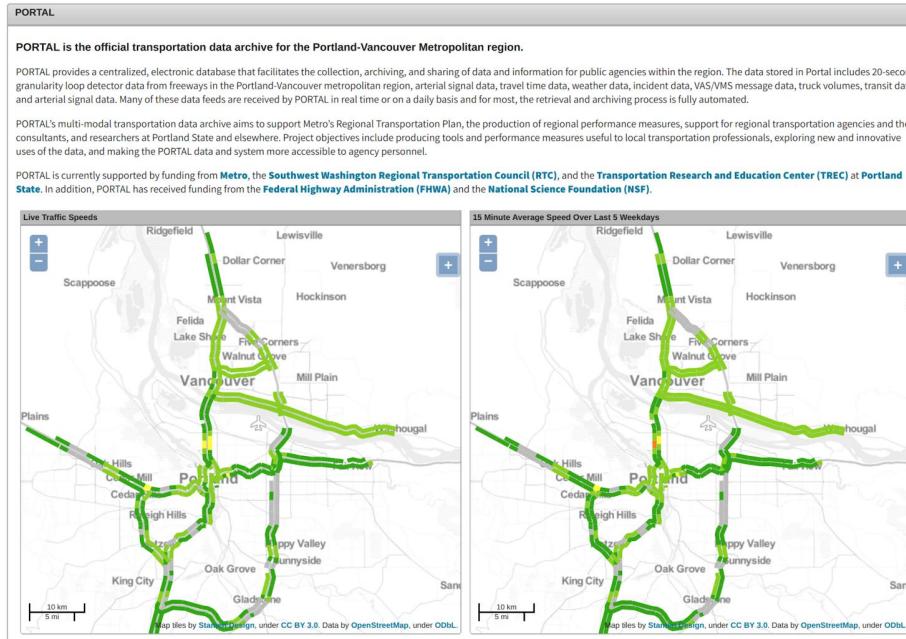


portal.its.pdx.edu

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_apps GitHub-Psutrec Portal Portland State... Week-to-week... R TriMet - Transi... PORTAL BikePed Portal Apache Zeppelin viz examples Other bookmarks

PORTAL Home Highways Stations Travel Time Vehicle Length Downloads Arterial Arterial Signal FHWA Data Documentation & Feed





Travel Time

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Apps GitHub psutrec PORTAL Portland State... Week-to-week... R TriMet - Transi... PORTAL BikePed Portal Apache Zeppelin examples viz examples Introduction to Viz How to keep a... Bicycle and Pe... Choosing the... Travel Time Re... Multi-Row He... Other bookmarks

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Travel Time ? Tour

Map showing travel time data for various routes in the Portland area, color-coded by jurisdiction: ODOT (green), Wash Co (orange), City of Portland (blue), Washington County (red), and Clark County (dark blue). A legend on the right identifies these entities.

Routes ? Select a route

Start week ? 2020-03-29 Calendar

Reliability weeks 26

Standard Aggregate Yearly

Update Download

Metro Oregon Department of Transportation RTC Federal Highway Administration Portland State University

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Travel Time

Travel Time ⓘ

Route

I-84 WB @ 53rd
↓
I-84 Sandy WB
↓
I-84 33rd WB

A map of the Portland metropolitan area showing travel times for different routes. A red circle highlights a section of I-84 in the central business district. A callout box labeled 'Route' details the segments: I-84 WB @ 53rd, I-84 Sandy WB, and I-84 33rd WB. The map includes a legend for ODOT (green), Wash Co (orange), City of Portland (blue), Washington County (red), and Clark County (dark blue). Navigation controls (+, -, G, X) are at the bottom left.

Routes ⓘ Select a route

Start week ⓘ 2020-03-29

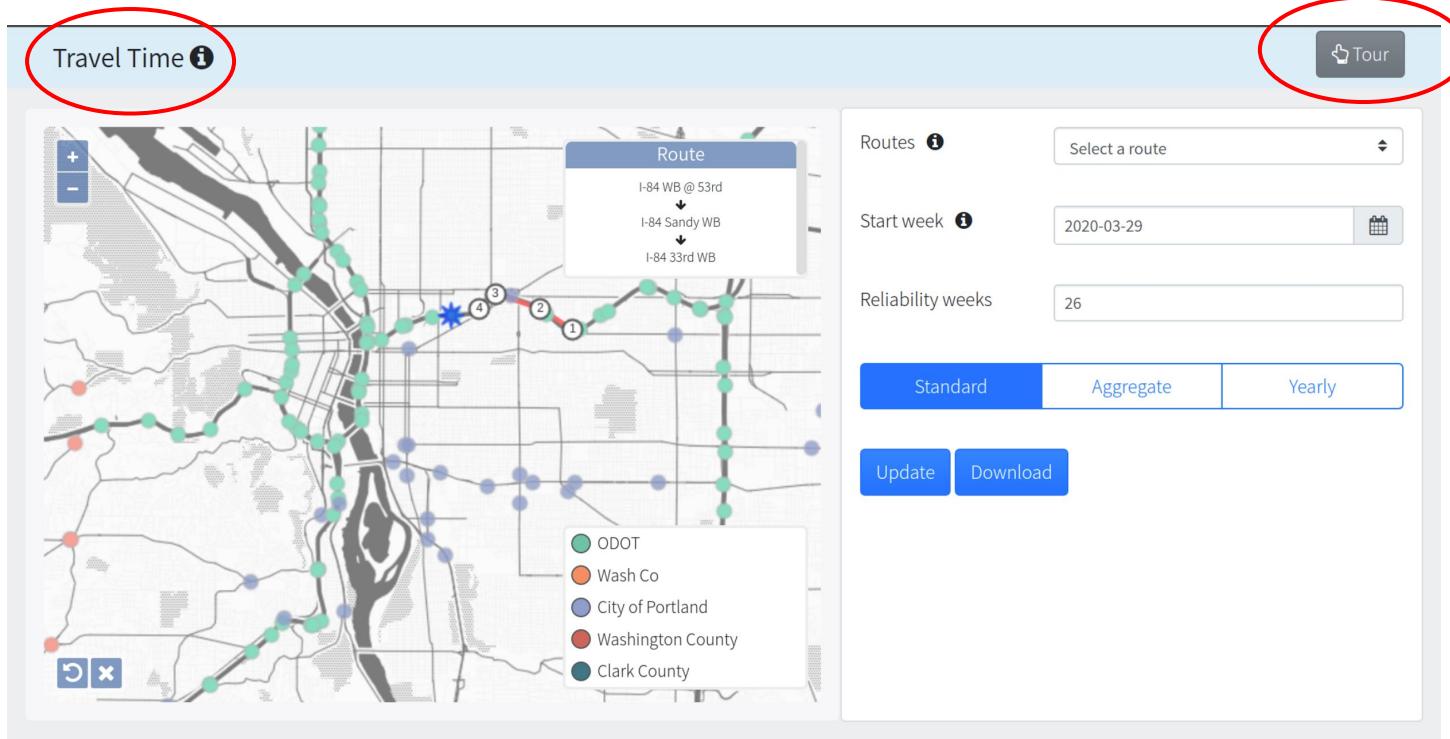
Reliability weeks 26

Standard Aggregate Yearly

Update Download

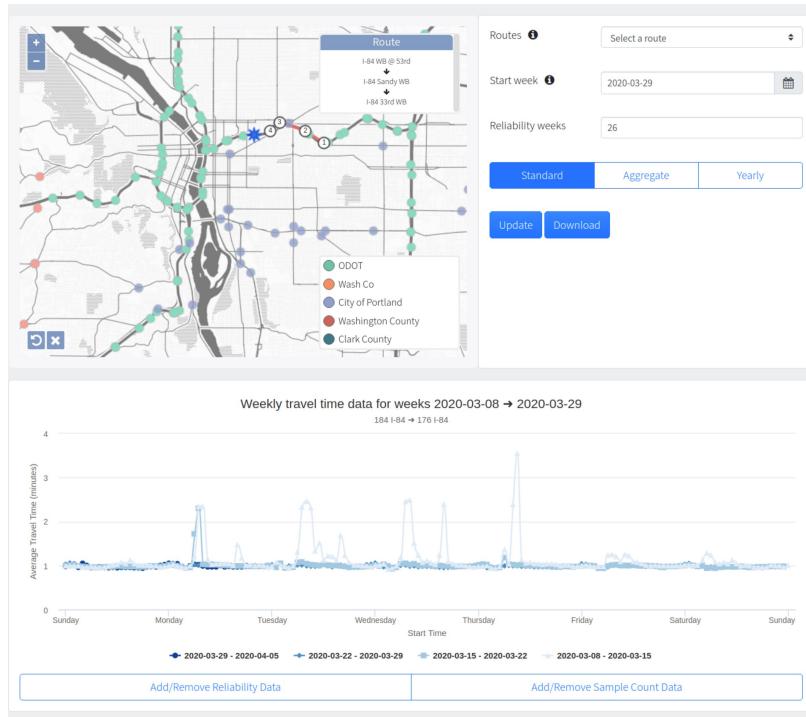


Travel Time





Travel Time

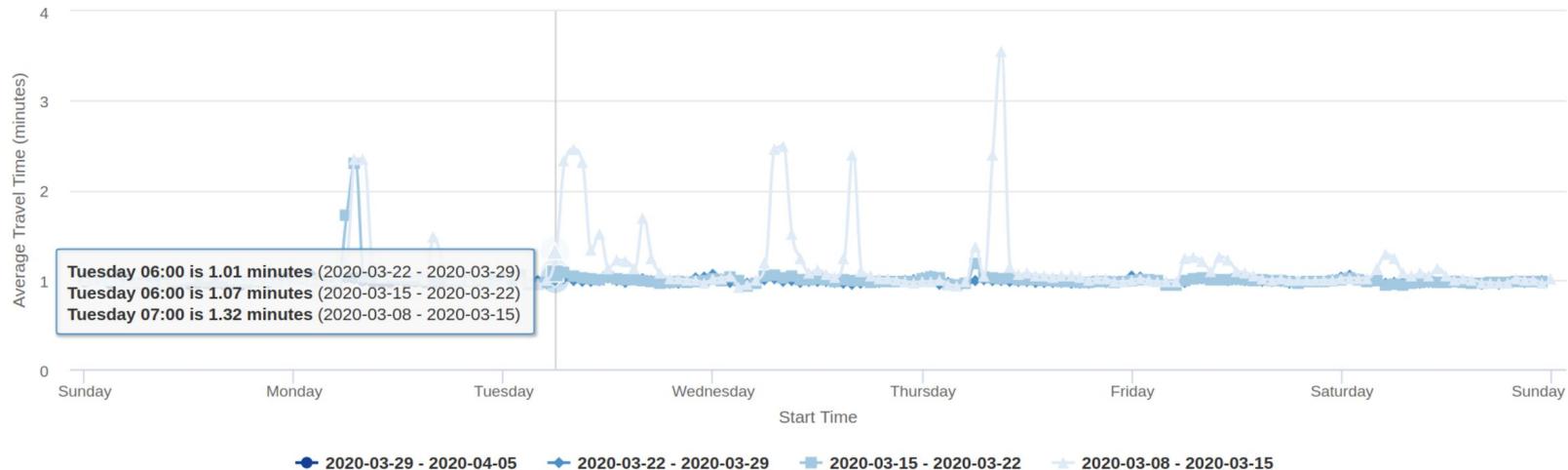




Travel Time

Weekly travel time data for weeks 2020-03-08 → 2020-03-29

184 I-84 → 176 I-84



Add/Remove Reliability Data

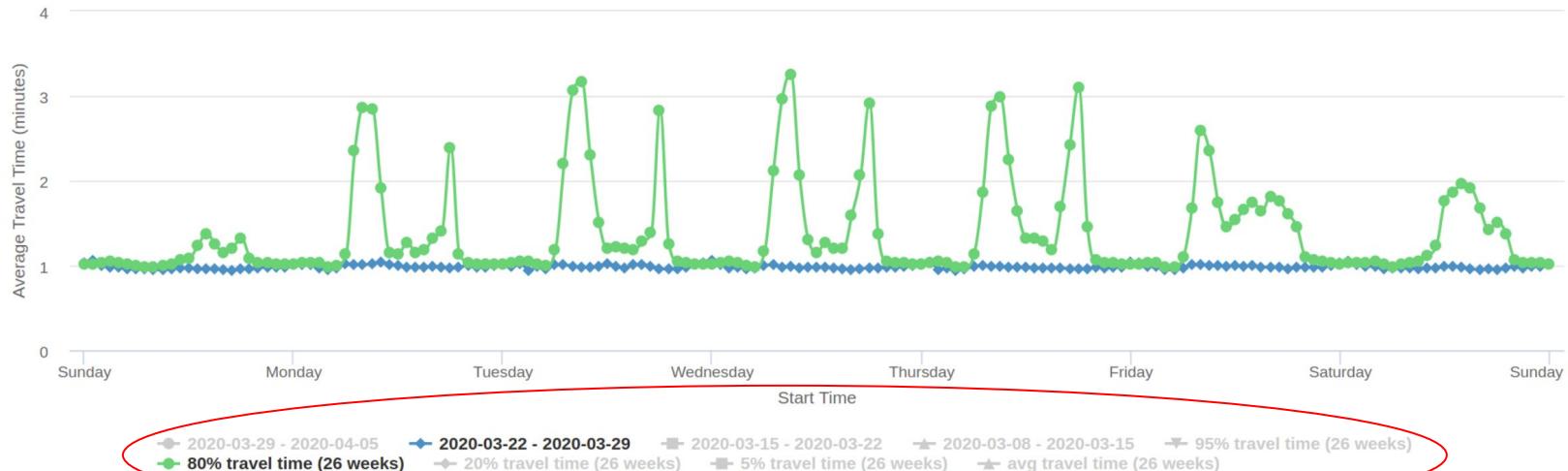
Add/Remove Sample Count Data



Travel Time

Weekly travel time data for weeks 2020-03-08 → 2020-03-29

184 I-84 → 176 I-84



Add/Remove Reliability Data

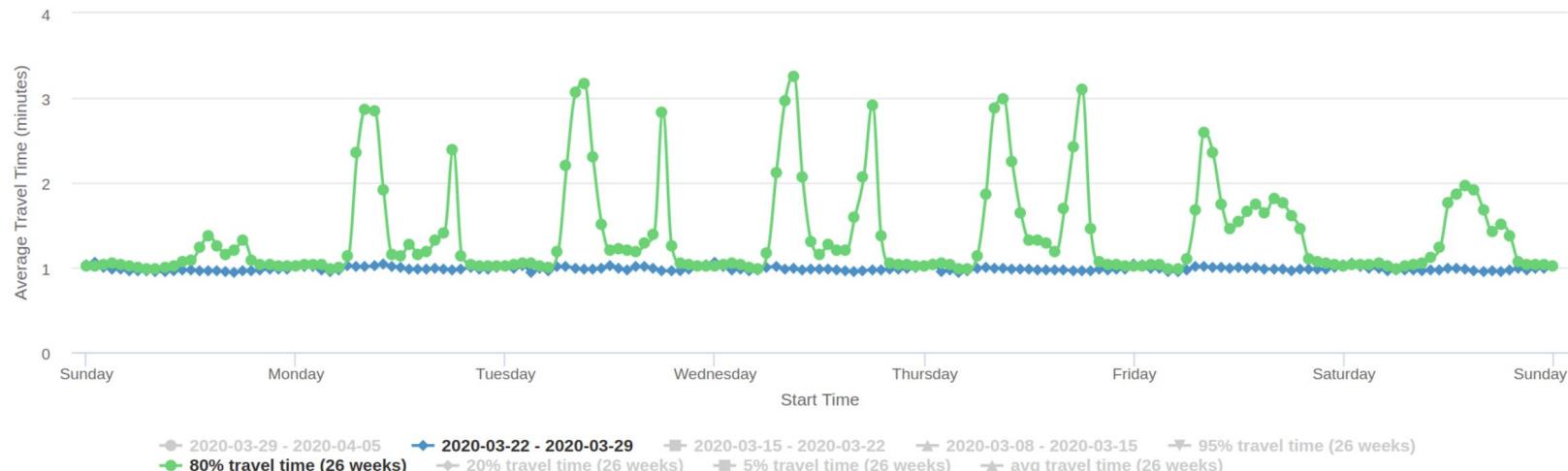
Add/Remove Sample Count Data



Travel Time

Weekly travel time data for weeks 2020-03-08 → 2020-03-29

184 I-84 → 176 I-84



Add/Remove Reliability Data

Add/Remove Sample Count Data



Travel Time





Vehicle Length

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Vehicle Length

Station Select a station

Start 2020-03-30

End 2020-03-30

Measure Length

Resolution 1hr

Standard Aggregate

Update Download

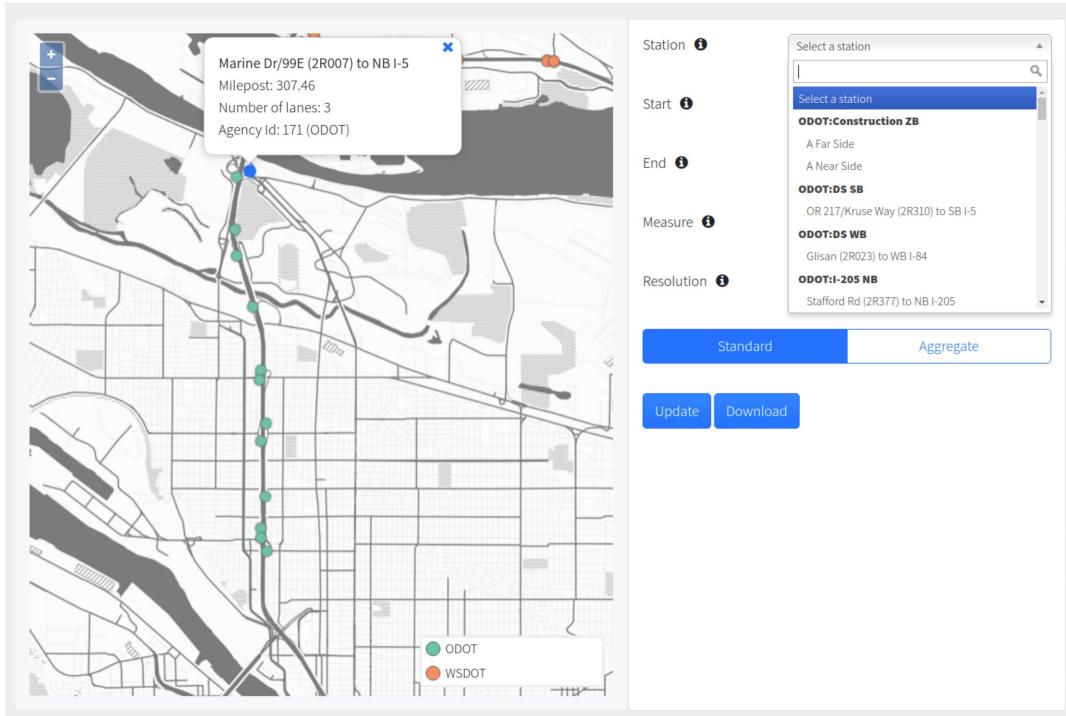
Map showing vehicle length data across a network of roads. A legend indicates ODOT (green dots) and WSDOT (orange dots). The map shows a dense network of roads with highlighted segments in orange and green.

Metro Oregon Department of Transportation ORC Federal Highway Administration Portland State University © Portals 2004-2020

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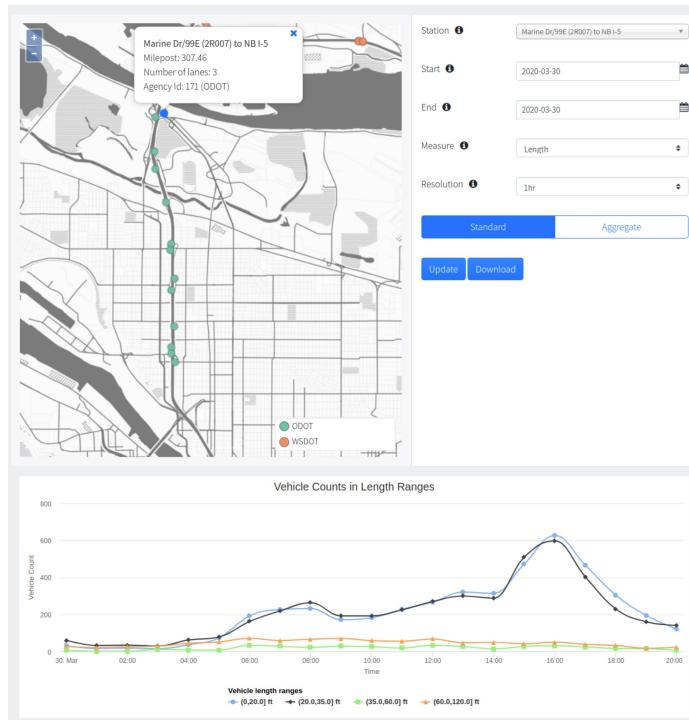


Vehicle Length



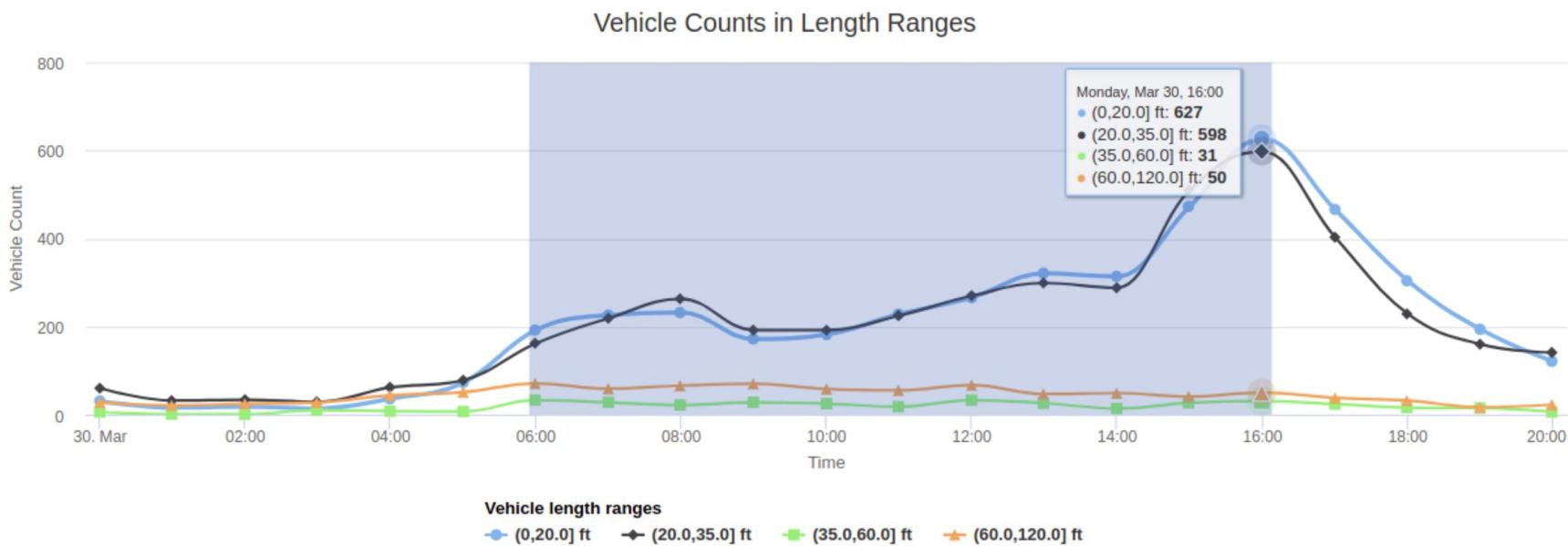


Vehicle Length





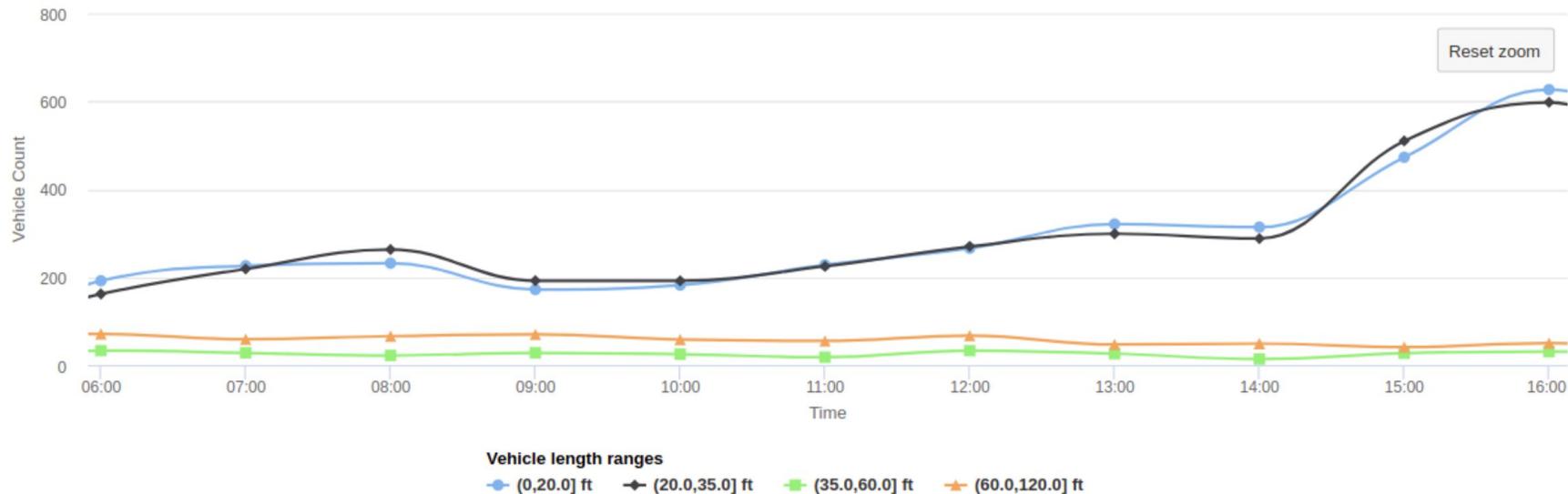
Vehicle Length





Vehicle Length

Vehicle Counts in Length Ranges





Additional features and data sources

- Downloads: Can download all data found on other pages in addition to other data (e.g. metadata, transit quarterly)
- Arterial
- Arterial Signal
- Incident data, VMS, VAS
- Documentation site
- PORTAL Users Group



Upcoming projects

- API documentation
- Travel time calculations across agencies
- BikePed Portal
- Scoping for potential new data sources (ATSPM)
- Adding new stations as they are installed
- Transit page
- Improvements to Arterial page



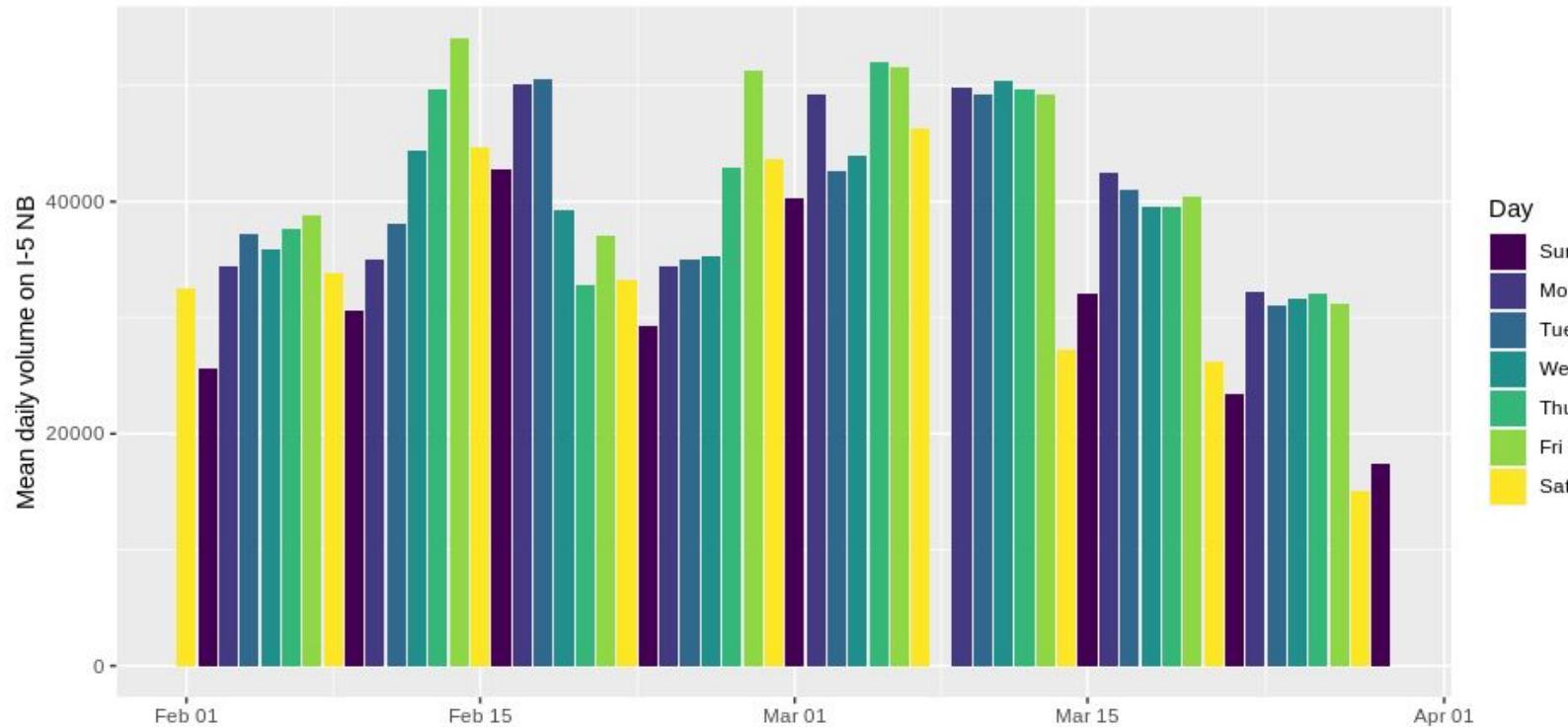
Transportation trends since the detection of COVID-19 in Oregon

A few dates to keep in mind:

- Feb 28: First positive case of COVID-19
- Mar 12: Close of all K-12 schools, moratorium on gatherings >250 people
- Mar 15: Temporary shutdown of bars, restaurants, and entertainment facilities
- Mar 16: Moratorium on gatherings >25 people
- Mar 23: “Stay-at-home”, beginning of state park closures

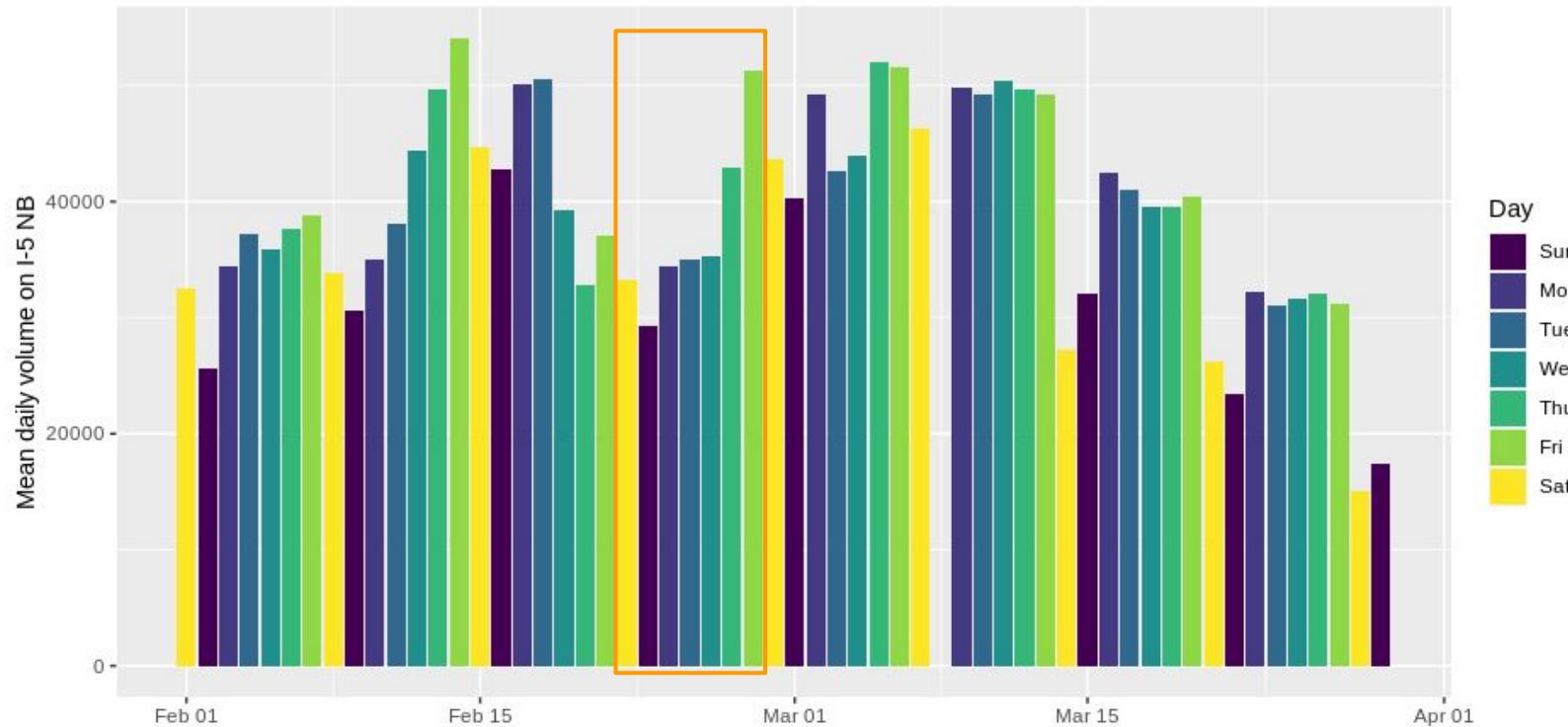


Transportation trends since the detection of COVID-19 in Oregon: I-5 NB



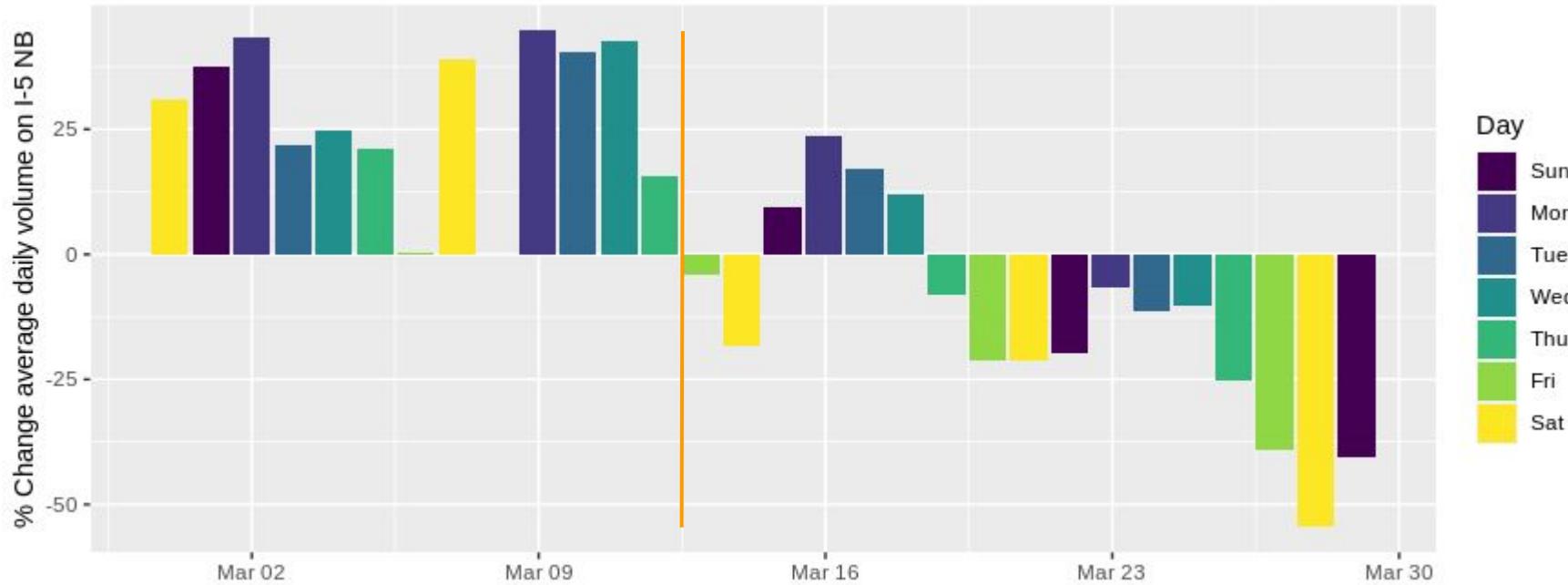


Transportation trends since the detection of COVID-19 in Oregon: I-5 NB



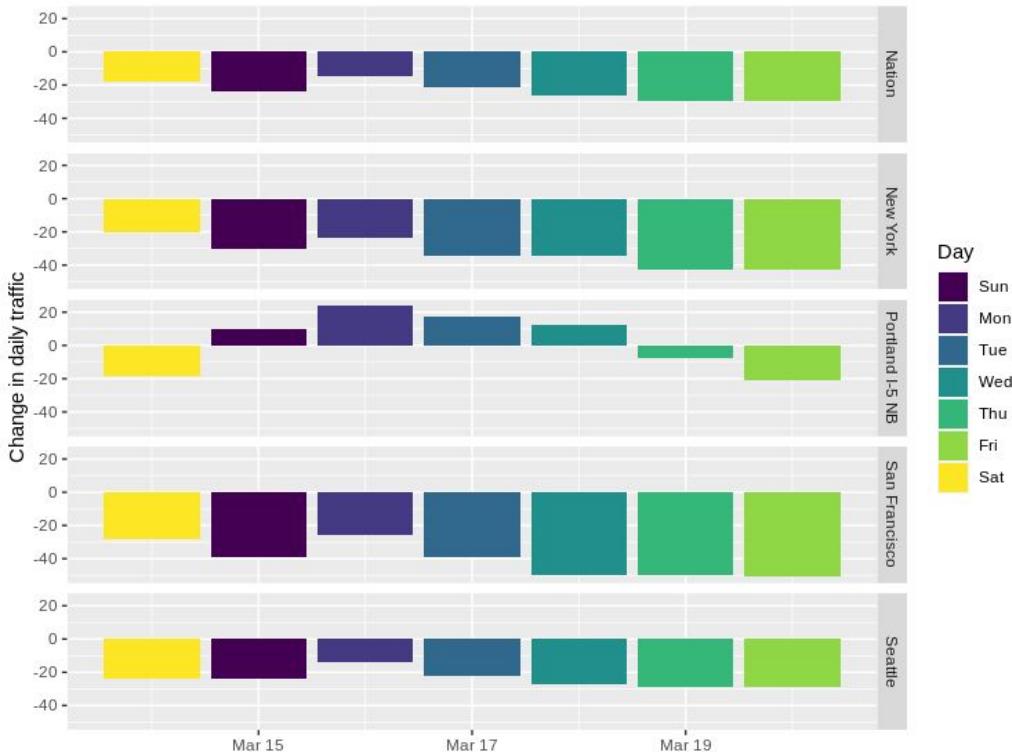


Transportation trends since the detection of COVID-19 in Oregon: I-5 NB



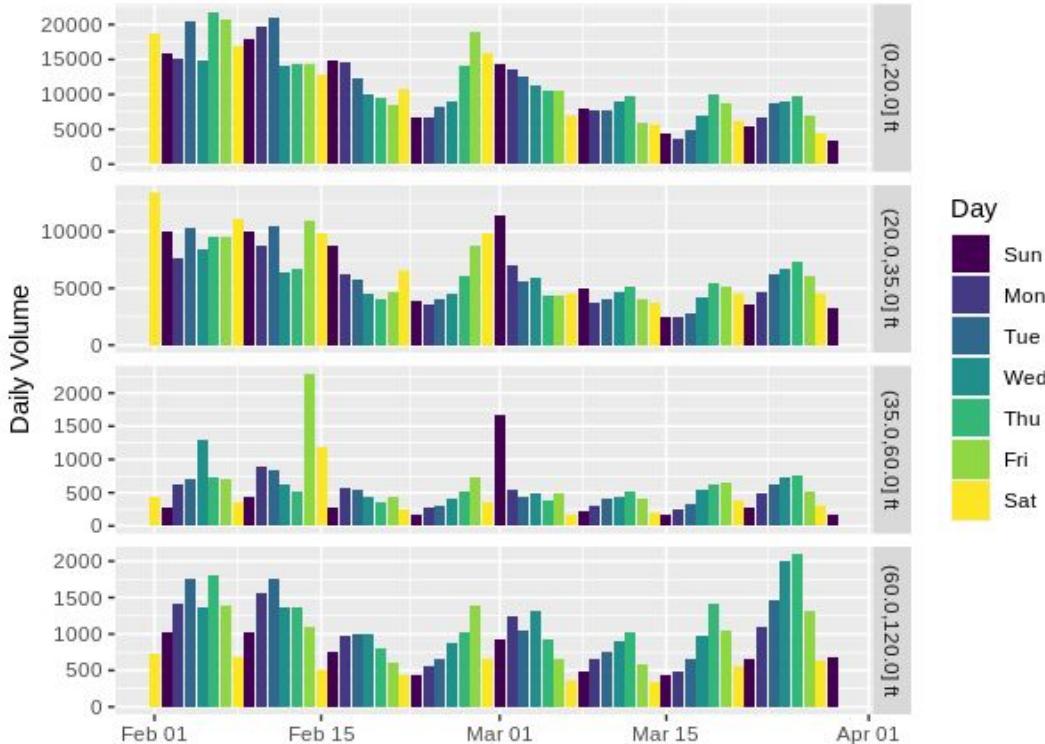


Transportation trends since the detection of COVID-19 in Oregon: I-5 NB





Transportation trends since the detection of COVID-19 in Oregon: Marine Dr/99 E to I-5 NB





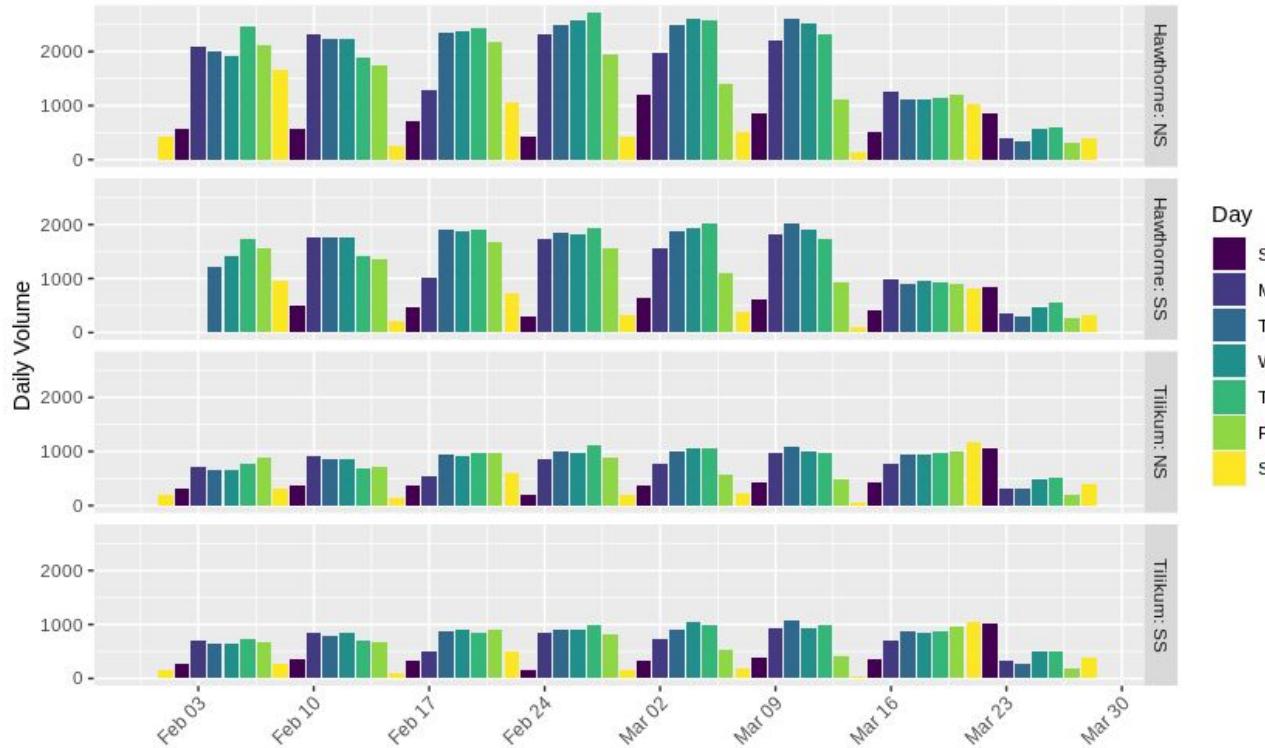
Transportation trends since the detection of COVID-19 in Oregon: Marine Dr/99 E to I-5 NB

Change in daily volume with reference week of 2020-02-22





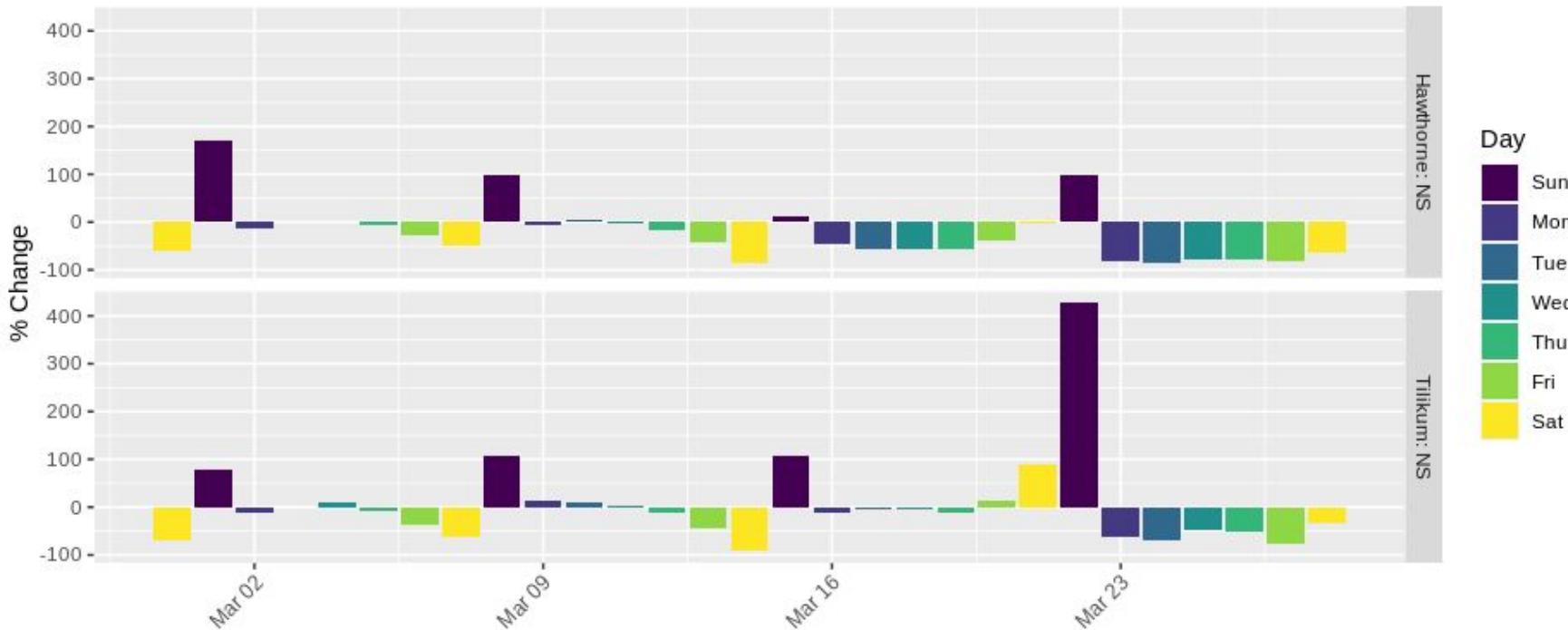
Transportation trends since the detection of COVID-19 in Oregon: BikePed Portal





Transportation trends since the detection of COVID-19 in Oregon: BikePed Portal

Daily change in bikeped volume compared to same day of week 2020-02-22



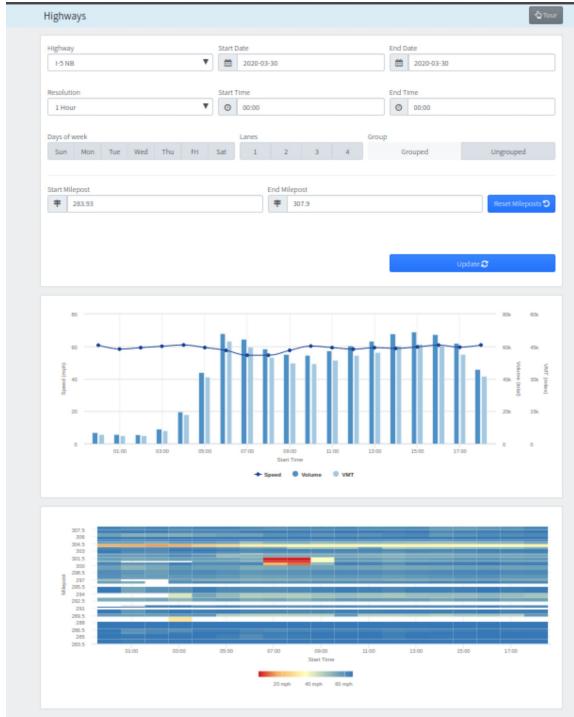


Questions?

- PORTAL: portal.its.pdx.edu
- Contact info: askportal@pdx.edu
- PORTAL Documentation site: adus.github.io/portal-documentation/
- TREC: trec.pdx.edu



Highways



Highways

Highway: I-5 NB Start Date: 2020-03-30 End Date: 2020-03-30

Resolution: 1 Hour Start Time: 00:00 End Time: 00:00

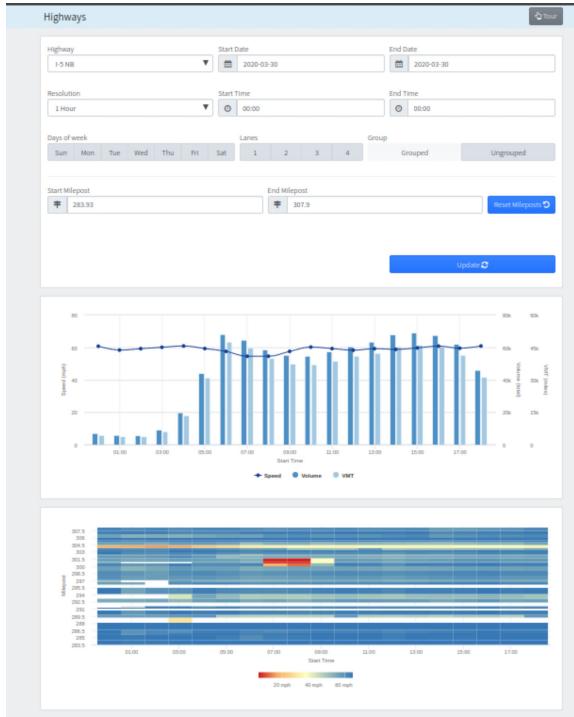
Days of week: Sun Mon Tue Wed Thu Fri Sat Lanes: 1 2 3 4 Group: Grouped Ungrouped

Start Milepost: 283.93 End Milepost: 307.9 Reset Mileposts

Update



Highways



Highways

Highway: I-5 NB Start Date: 2020-03-30 End Date: 2020-03-30

Resolution: 1 Hour Start Time: 00:00 End Time: 00:00

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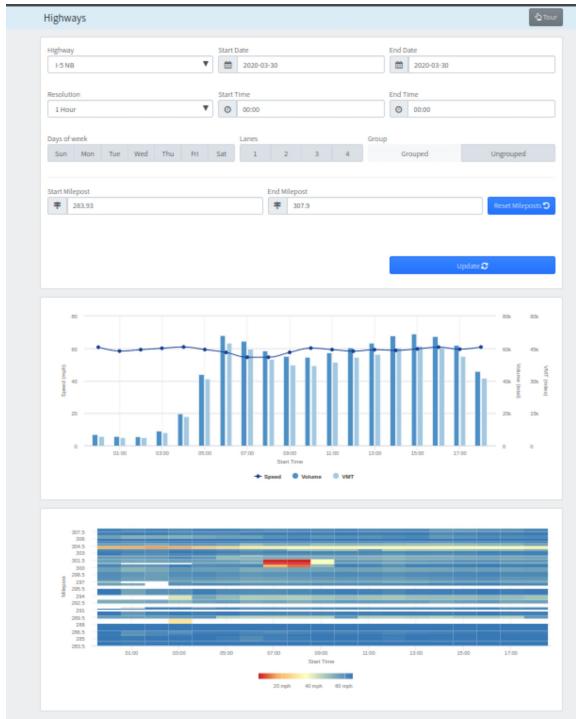
Start Milepost: 283.93 End Milepost: 307.9 Reset Mileposts

Update

The 'Tour' button is circled in red.



Highways



1 Highways

Welcome to the PORTAL Highways Page.

Start Date: 2020-03-30 | End Date: 2020-03-30

Resolution: 1 Hour | Start Time: 00:00 | End Time: 00:00

Days of week: Sun Mon Tue Wed Thu Fri Sat | Lanes: 1 2 3 4 | Grouped: Ungrouped

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Update

Start Date: 2020-03-30 | End Date: 2020-03-30

Resolution: 1 Hour | Start Time: 00:00 | End Time: 00:00

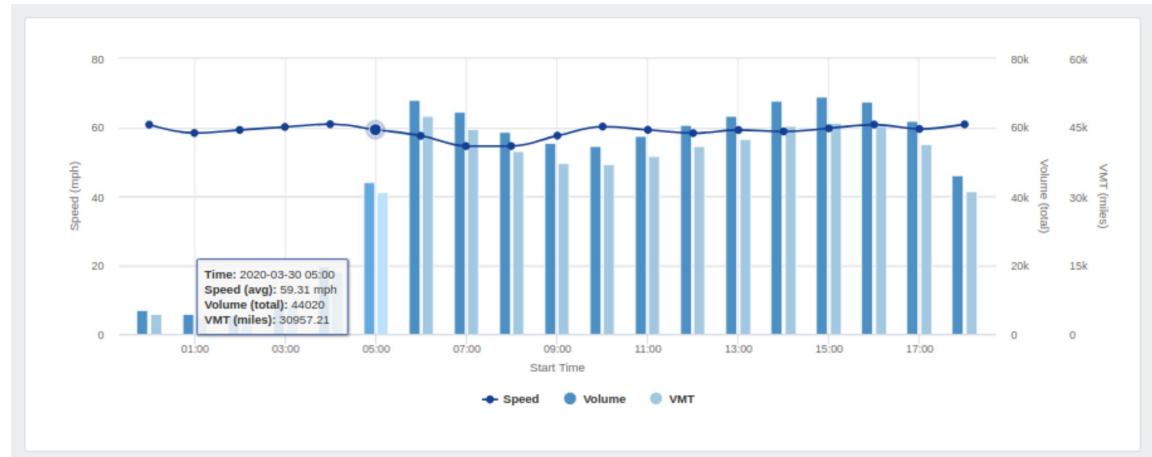
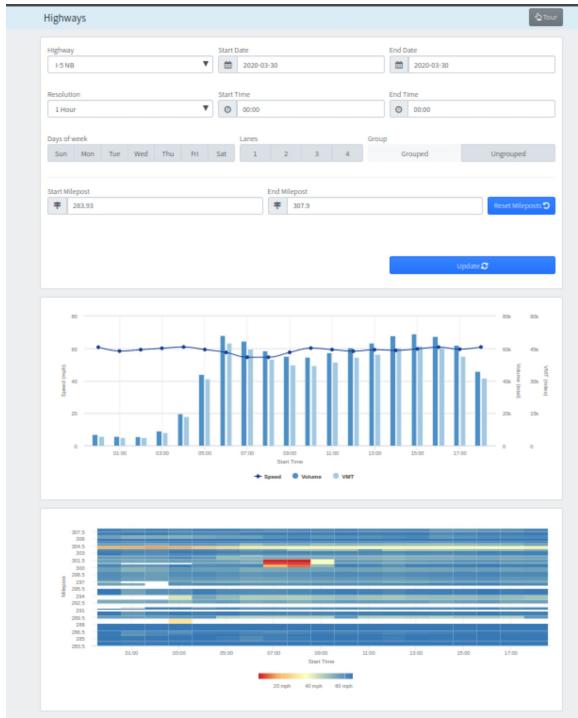
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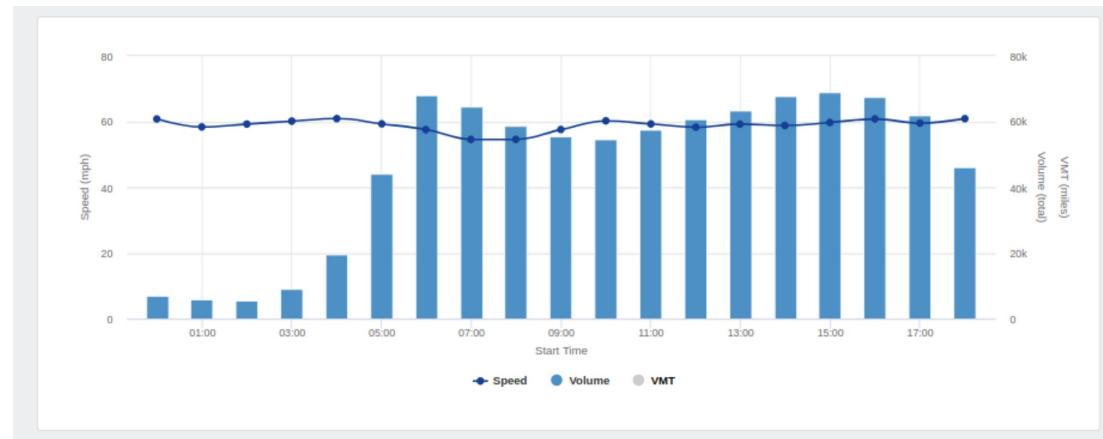
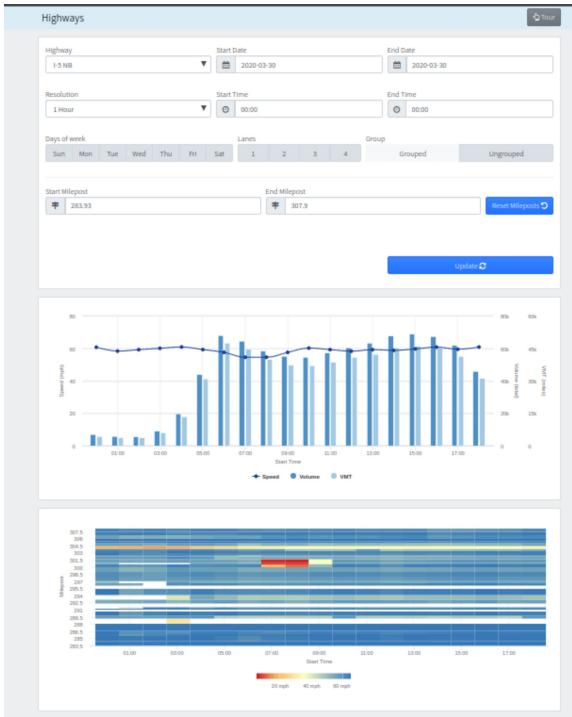


Highways



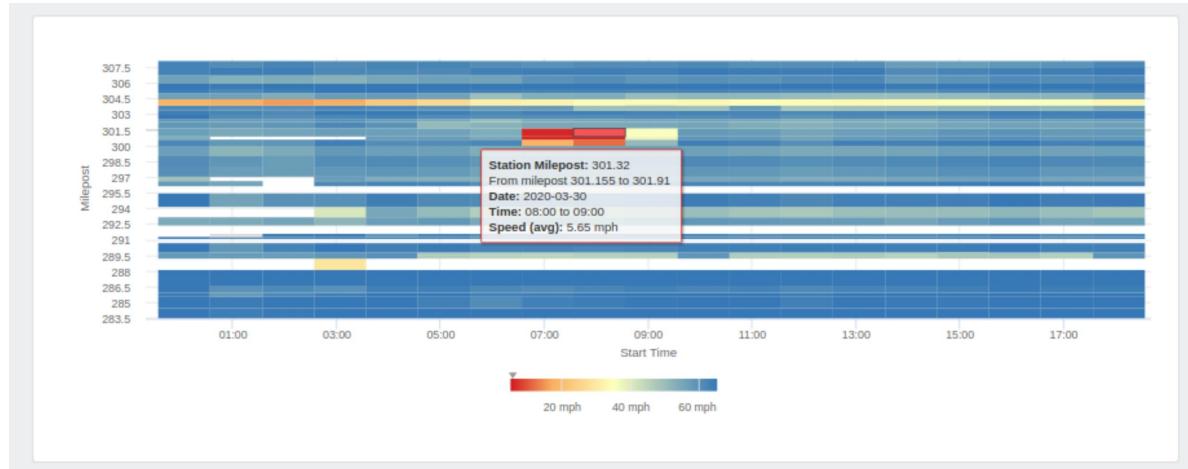
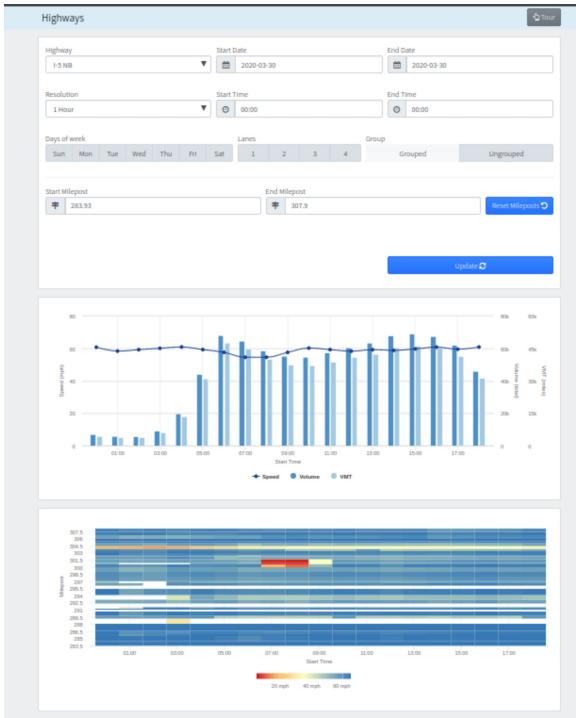


Highways



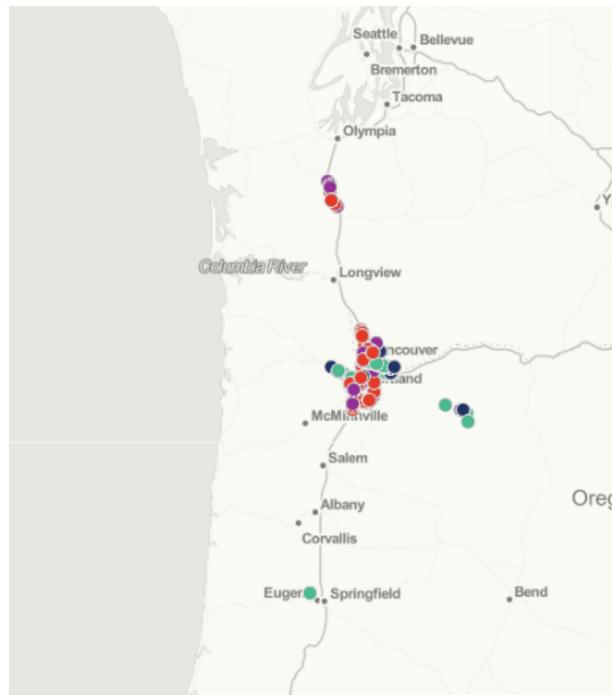
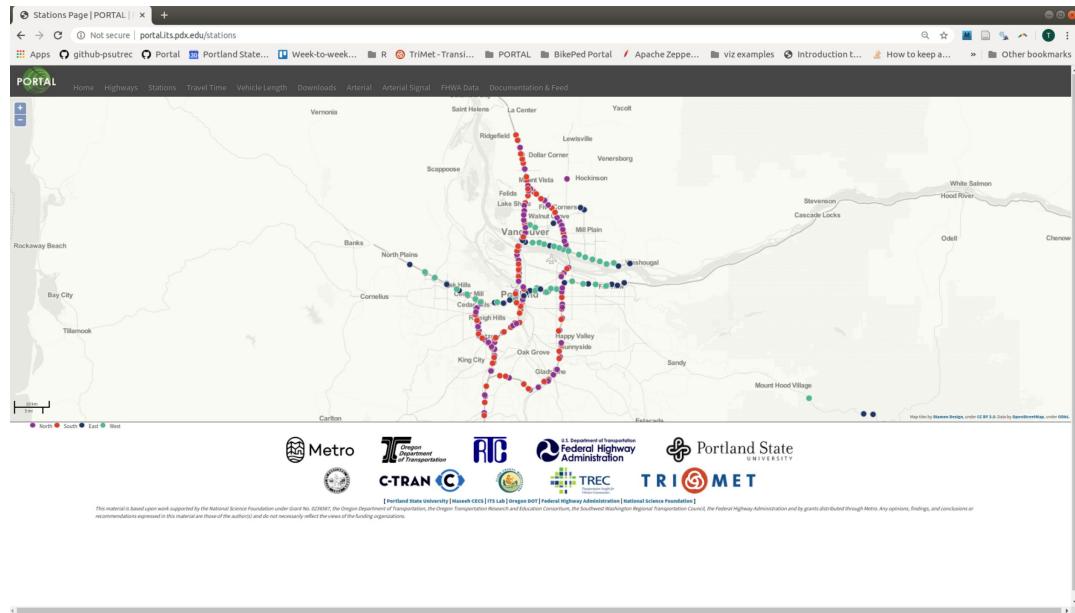


Highways



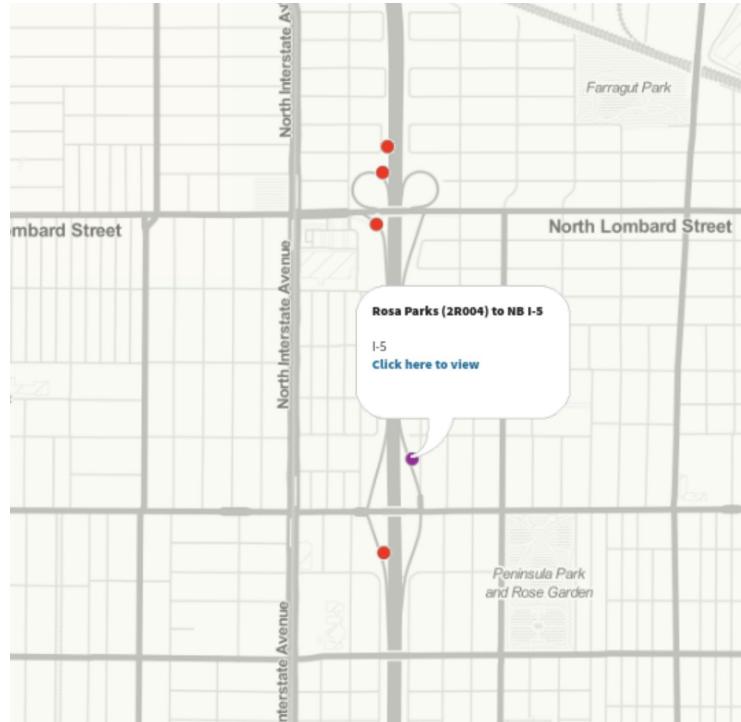


Stations



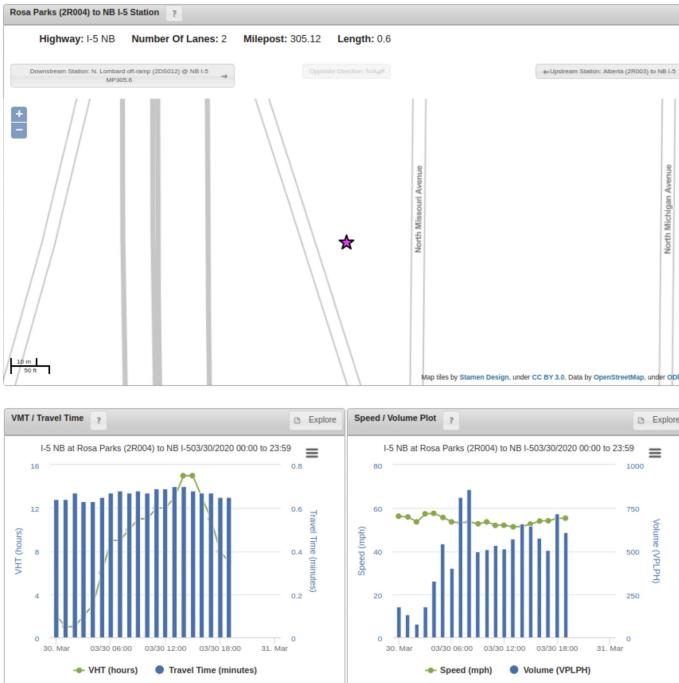
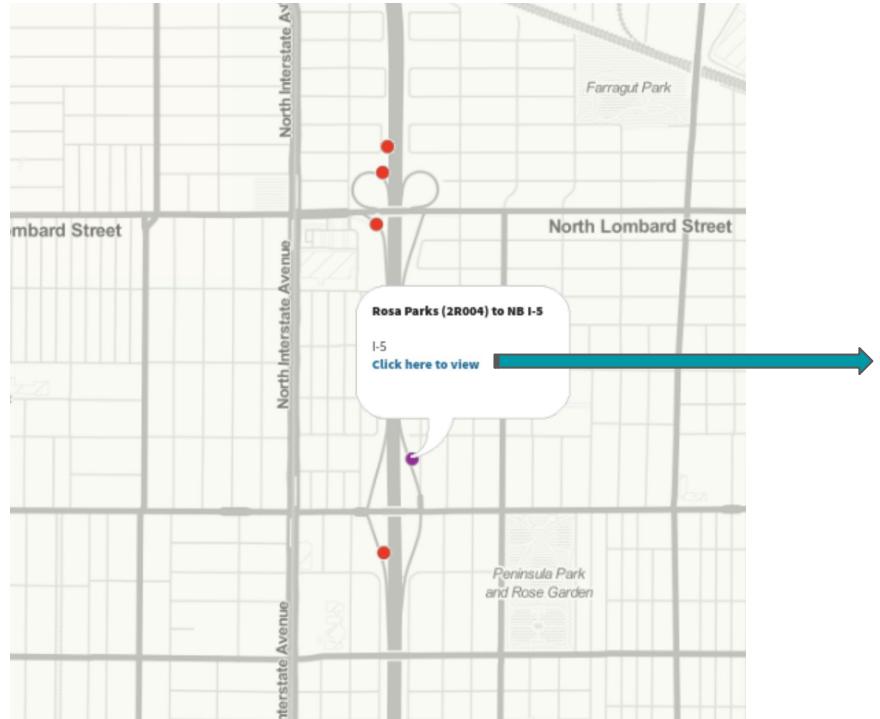


Stations



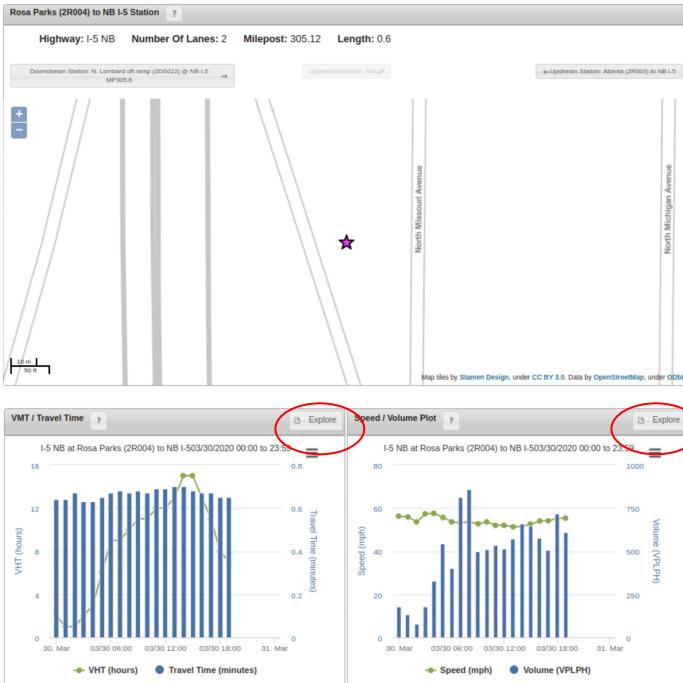
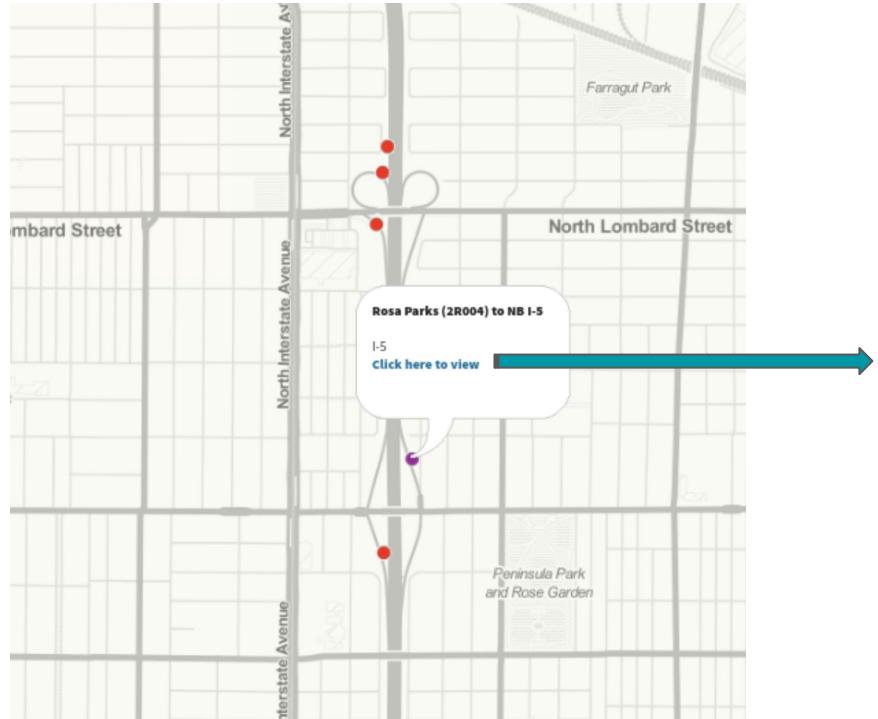


Stations





Stations





Stations

