TriMet's Next Generation Trip Planner, an FTA MOD Sandbox Grant Project

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Disruption

private mobility service providers

Q

space required to transport 60 people





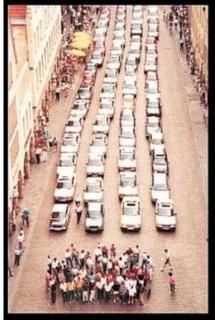


car

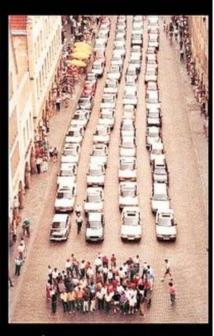
bus

bicycle

space required to transport 60 people







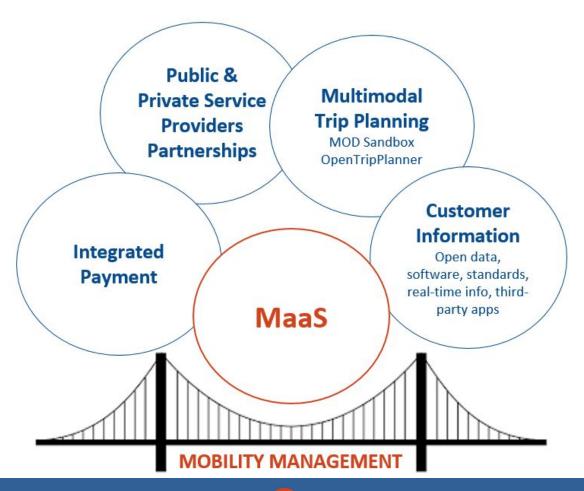
car

uber

autonomous car

Evolving Vision for Transit







- 1. TECHNOLOGY & INNOVATION
- 2. EQUITY & ACCESSIBILITY
- 3. POLICY & REGULATIONS
- 4. INCENTIVES & INFLUENCE
- 5. FACILITIES & ON-STREET INFRASTRUCTURE
- 6. DISPATCH, OPERATIONS, TRAFFIC MANAGEMENT
- 7. LAND-USE PLANNING
- 8. MODE MANAGEMENT AND INTEGRATION

TriMet.org/MOD

MOD Sandbox Grant 2017 - 2019

TriMet's OpenTripPlanner Shared-Use Mobility (OTP SUM) project will create a complete open platform for the integration of transit and shared-use mobility options. With an improved address locator, Mapzen's Pelias geocoder, the open data, software and user interfaces, responsive on both web and mobile, will help customers make informed decisions about their mobility choices, including the critical first and last miles of transit trips where a bus or train alone doesn't provide full access.

This dashboard provides a snapshot of the MOD Sandbox project's progress. These key indicators help us track progress toward project deliverables and the budget. In addition, we will be sharing project updates and lessons learned through this dashboard.



About TriMet and and Open Source

About MOD Sandbox Grant

About moovel

About OpenTripPlanner (OTP)

About the Pelias Geocoder

Research on Shared Mobility



Solution

Extend existing software & data platforms to integrate shared-use modes with transit.



Strategy

Leverage open source software, open data, and open standards to facilitate widespread adoption.











Pelias

Geocoder

Non-proprietary, non-restrictive option for address locating geocode.earth

Full Planet Search

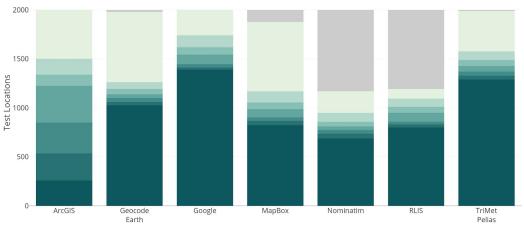
From the team behind the open-source Pelias geocoder Cleared for Takeoff

Open Address Data

OpenAddresses
OpenStreetMap
Who's on First
TIGFR

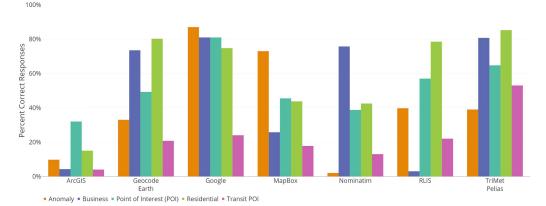
Pelias Benchmark Tests

Geocoder Results, 10/10/2018



- No response
- Over 500ft
- 100 to 500ft50 to 100ft
- 20 to 50ft
- 10 to 20ft
- 0 to 10ft
- Inside validated polygon

Geocoder performance by location category, 10/10/2018

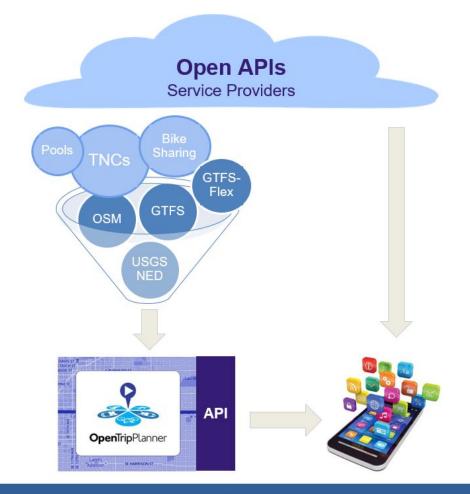


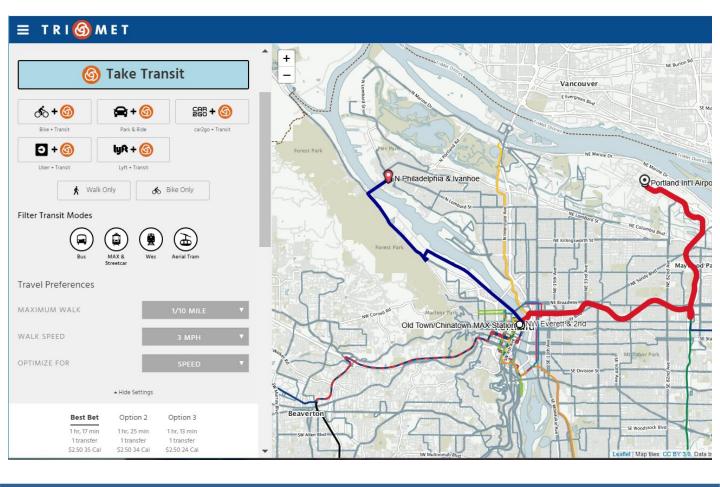
Integrated Payment Plan

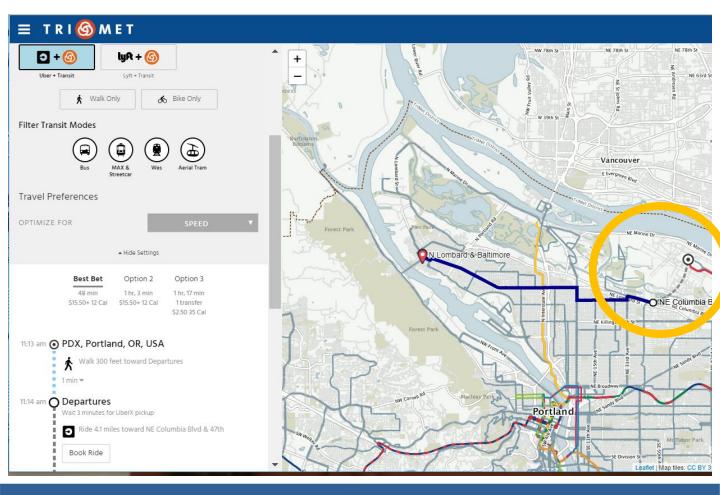
moovel will facilitate compatibility with planned booking and payment features in RideTap feature

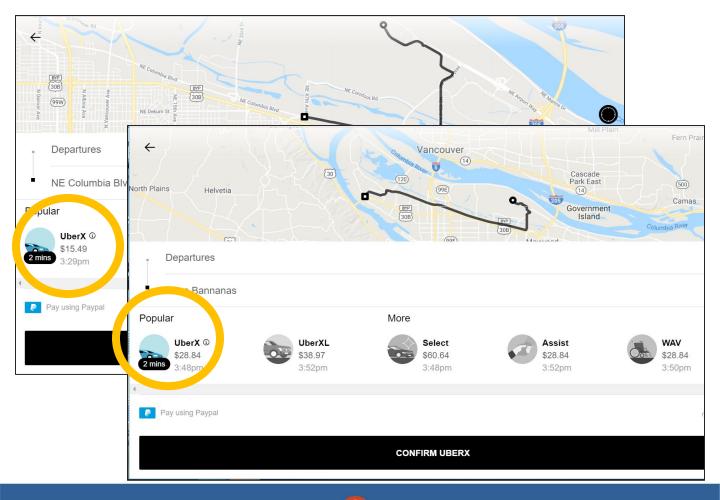


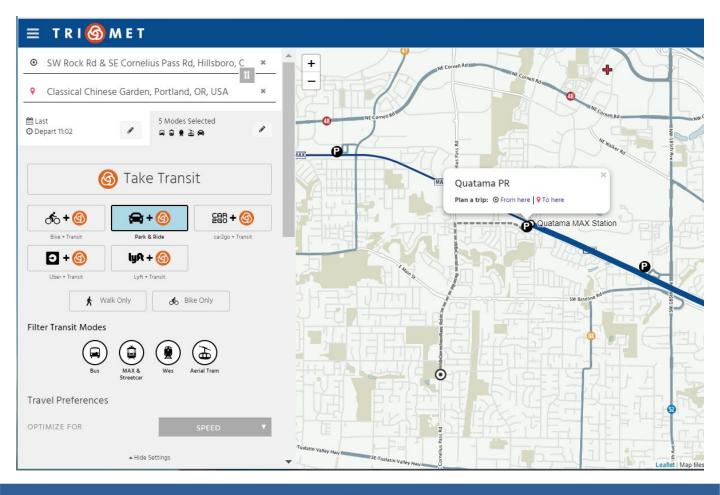


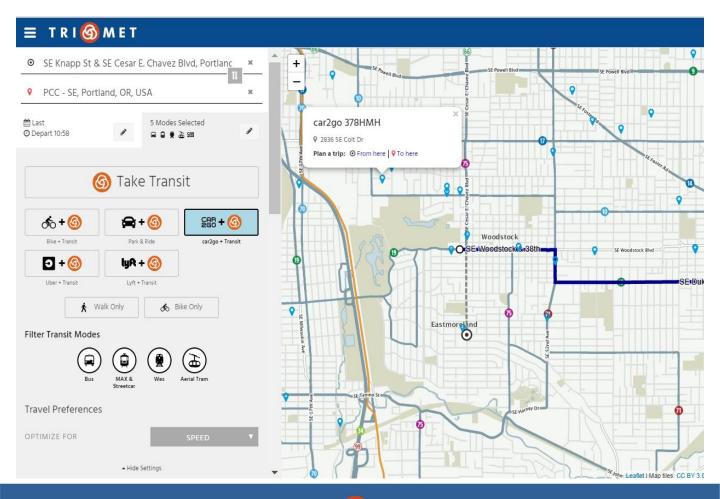


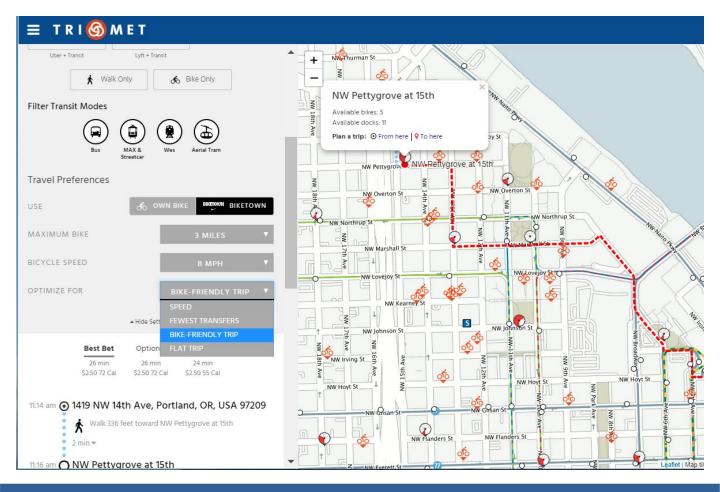


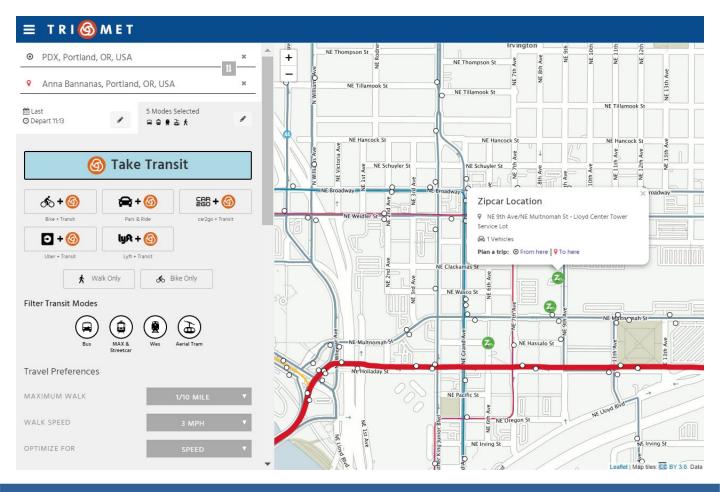


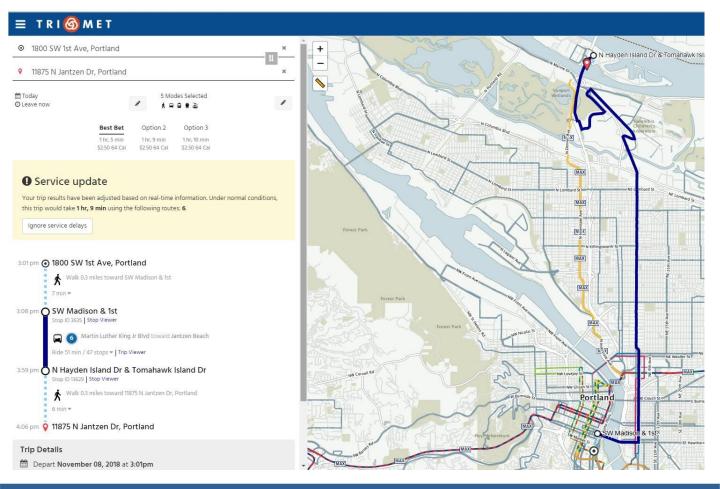






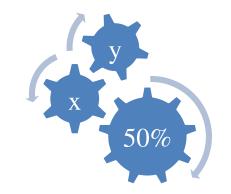




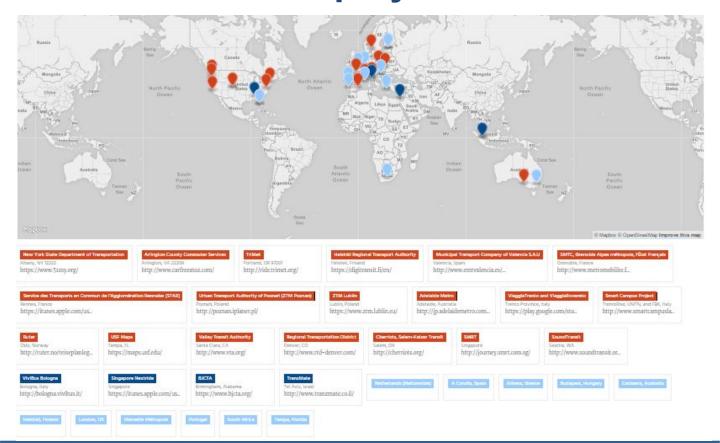


Next Generation Trip Planner Next Steps

- Beta Testing
 - 250 Riders Club Participants
 - Internal and External Partners
 - In-Field Shadowing
 - Second Heuristic Study
- 2. Analysis of Results and Reassessment
- 3. Public Release 1st Quarter 2019



OTP Deployments





U.S. Department of Transportation

Federal Transit Administration









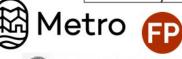






TRI 6 MET















★ Interline

SHARED-USE MOBILITY CENTER





















CONNECTIVE DX







Thank you!