

STEPS to MOD & MPI

Integrated Mobility Innovation Demonstration Program

Quarterly Report (CY2022 Q2) – Version 2.0

TriMet Steps to MOD and MPI

Top Accomplishments of the Quarter

Provide a list of the top three accomplishments from your project in the quarter.

1. TriMet hired a Manager, Fare System Projects to support Task 1
2. Completed refinements to the ODX methodology and identified next steps for validation and updates to ODX methodology memo
3. Progress on development of prediction aggregator and other “scaffolding” components of the machine learning arrival/departure prediction engine

Overview of Statement of Work Progress

Task	Task Name	Sub-Tasks	Status/Notes
1	Innovative Payment	1.1 Business Case for Integrated Payment 1.2 Expanding Open Payment 1.3 Expanding/Extending HOP Functionality	Final draft submitted and awaiting feedback. The exploration write-up (McHugh-Maletz_IMI_1.2a&b_Open-loop Payment Solutions for Concession Fares and Monthly Fare Capping) was submitted to the Transit Open Payments Forum working committee (AMEX, VISA, MasterCard & Discover are all committee members). We are still awaiting feedback. TriMet has recently hired a Manager, Fare System Projects; with this hire and onboarding, we expect to see movement with this task. TriMet has recently hired a Manager, Fare System Projects; with this hire and onboarding, we expect to see movement with this task.

		1.4 Improving access for the unbanked and underbanked	<p>Per the documentation submitted in the exploration phase, this scope did not carry into the exploration phase.</p> <p>This status has not changed.</p>
2	Customer Experience	<p>2.1 Customer communication around fare capping as a traveler incentives and rewards program</p> <p>2.2 Incorporating Real-Time Incident and Congestion Information</p> <p>2.3 Partnering to Scale the City of Portland Transportation Incentive Program</p> <p>2.4 System Integration</p>	<p>Engineering staff time has been freed up to help support this. We anticipate being able to move the inbound marketing tool, Hubspot, into production sometime this quarter.</p> <p>On track. Ongoing active development of aggregator and additional “scaffolding” components for machine learning based prediction engine, with support from IBI Group. Finalized Task 2.2 slide deck outlining background and process to share with internal and external stakeholders.</p> <p>TriMet and RideShark are actively working in parallel to define product requirements and product development. Our first internal demo from RideShark is on Thursday, July 28th.</p> <p>PBOT has completed and submitted their “In-kind” invoice to our Grants and Budget team</p>

			On-track. Setup and configuration of the open source native mobile apps for testing on-hold pending software release by the ATL IMI project team. Mobile apps are in pre-production phase with go-live expected late Summer 2022.
3	Mobility Data	<p>3.1 Define framework for assessing improvements in Transit Quality</p> <p>3.2 Mobility Analysis Benchmarks</p> <p>3.4 Demonstrate framework for assessing improvements in Transit Quality</p>	<p>Analyzed OTP data and created a draft data validation plan for OTP data. Conducted a comparative O&D analysis with Lyft, Uber, and TriMet data.</p> <p>We continue validation of the ODX and model refinement. A need for in-seat transfer data in the GTFS was identified to address interlining issues.</p> <p>Initial ODX data was provided for a TriMet planning workshop and the use case was confirmed. Work continues to refine and prioritize use cases for the SMP.</p>
4	Project Management	<p>Working group meetings</p> <p>Quarterly Progress Reports</p>	<p>On track. We held weekly working group meetings with Urbanlogiq, Fehr & Peers and other project partners. TriMet presented to stakeholders and at the MaaS in the US Conference, International Mobility Data Summit, and National Shared Mobility Summit.</p> <p>On track</p>

Major Activities Expected in the Coming Quarter

Key Activities Expected in the Coming Quarter:

- Renewed progress for Task 1 supported by TriMet's Fare Systems Project Manager new-hire
- Moving HubSpot to production
- Mobile app setup, configuration, and review
- Ongoing development of machine learning based prediction engine
- Conduct stakeholder workshops for feedback on SMP use cases
- Develop and populate the SMP dashboard and move other SMP use cases into production