

BART Agreement Number: 6M8209

Approval Date: 2/28/25

Work Plan No O.01-01 GTFS Pathways MaaS Integration

Scope:

2.0 Scope of Services

Tasks for Scope of Work: Pathways integration with Mobility as a Service (MaaS) Platform.

1. *Technical Project Management*

1.1. *Technical Project Coordination and Planning*

The Consultant shall coordinate technical MaaS GTFS-Pathway tasks, prepare, and maintain the MaaS Pathways Sub-project tasks schedule, and assist with the staffing plan. This plan shall identify the critical development path. The Consultant shall provide

2.1. Deliverable:

- 2.1.1. *Support the development of the Concept of Operations,*
- 2.1.2. *Written documents as required for the MaaS-GTFS Pathways Integration and platform changes.*

3. Prepare Overall System Architecture

The Consultant shall work with the technical members of the GTFS-Pathway working groups to prepare an overall system architecture showing different subsystems and interfaces for data transfer. One (1) draft and one (1) final document.

3.1. Deliverables:

- 3.1.1. **Approved System Architecture document**
- 3.1.2. **Approved data flow documentation**

4. MaaS GTFS-Pathway Components Requirements Documentation and System Design

The Consultant shall prepare the MaaS GTFS-Pathway components requirements document to ensure it covers the functional and system requirements. Based on the approved requirements document, prepare/extend the current system design to include GTFS-Pathway. Document the future systems process for workflow, updates, and future enhancements. One (1) draft and one (1) final document.

4.1. Deliverables:

- 4.1.1. *MaaS GTFS-Pathway Component requirements document,*
- 4.1.2. *MaaS GTFS-Pathway system design document.*

5. MaaS GTFS Backend System Development and App trip planner updates

The Consultant shall extend the Mobility as a Service Platform GTFS component to include GTFS-Pathway generation. Update the app trip planner itinerary details to show pathway details as provided by the trip planning engine.

5.1. Deliverables:

- 5.1.1. *Backend code extension to generate GTFS-Pathway. Assume one (1) update.*
- 5.1.2. *App code updates. Assume one (1) update.*

6. System Integration Test Plan and Testing

The Consultant shall provide test cases for the Systems Integration Test Plan for the MaaS GTFS-Pathway component and the applicable App testing developed under this task order. The plan will be utilized to perform internal testing and testing with MaaS resources. Assume maximum two rounds of acceptance testing.

6.1. Deliverables:

- 6.1.1. *Systems Integration Test plan test cases,*

- 6.1.2. *Conduct MaaS GTFS-Pathway testing,*
- 6.1.3. *Testing results and summary report.*

7. Release Management and System Deployment

The Consultant shall work on the release management and deploy a new version of the MaaS Backoffice GTFS components and App. The Consultant shall oversee the smoke testing of the MaaS GTFS Pathways Component. Assumed 15-20 test cases.

7.1. Deliverables:

- 7.1.1. *Production configuration and deployment,*
- 7.1.2. *Release management and deployment plans.*
- 7.1.3. *Smoke testing results and summary report.*

8. Knowledge Transfer and Training to the BART OCIO for ongoing Operations and Maintenance for tier 1 and tier 2 support.

The Consultant shall deliver technical knowledge transfer and documentation on the implemented MaaS GTFS Pathways components, ensuring the BART OCIO team is equipped to handle ongoing operations and maintenance. This includes training for Tier 1 and Tier 2 support staff to manage and troubleshoot the system effectively.

8.1. Deliverables:

- 8.1.1. *Knowledge Transfer plan*
- 8.1.2. *Coordination of Knowledge Transfer Sessions (Assumed 2-3 sessions)*
- 8.1.3. *Technical System Administration workflow documentation as Required.*

Prime: HNTB+FMG JV

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
TransSight	\$ 519,812	Y	Y

Total Work Plan Value: \$588,935