

Metropolitan Transportation Commission Operations Committee

November 6, 2020

Agenda Item 4b

Contract – Transit Connectivity Gap Analysis Tool with Regional General Transit Feed Specification (GTFS) Data: Interline Technologies LLC (\$300,000)

Subject: Contract – Transit Connectivity Gap Analysis Tool with Regional GTFS data: Interline Technologies LLC (\$300,000).

Background: The Transit Connectivity Gap Analysis Tool was developed by Interline Technologies LLC (Interline) in 2018 as a proof of concept pilot. The purpose of this tool was to generate reports on transit passenger transfer times between incoming and outgoing services at a selected transit hub. Since the initial development, the tool has been reviewed internally at MTC and by a few transit operators. Some improvements have been made to the tool based on feedback received. Notable enhancements included 1) the ability to use multiple datasets including historic data; 2) the addition of a large number of transit hubs; and 3) the ability to define a location for analyses outside of the named set of hubs. The tool has generated significant interest and support from transit operators, and transit operators believe it will be an effective transit service planning tool with some enhancements. The planned enhancements include 1) the ability to compare connectivity across two time periods; 2) the use of service scenario planning data to foresee connectivity impacts; 3) the ability to assess connectivity impacts to downstream locations; 4) some interface modifications to improve user experience; and 5) user authentication and privilege management. Development of this tool has been relatively inexpensive due to the use of a set of open source software modules originally developed by the Interline team. MTC's custom features were built on top of those base modules.

The Regional GTFS, which is essentially a single standardized transit data feed for the entire region, was originally developed under the Startup in Residence (STIR) residency program as a concept demonstration. Interline was selected through the competitive STIR process which included an option for MTC to contract with STIR startups at the conclusion of the residency through an expedited procurement process for further development and maintenance of their solutions. After the conclusion of Interline's STIR residency, Interline further enhanced the Regional GTFS under a purchase order that expired in June 2020.

The Transit Connectivity Gap Analysis Tool is fully dependent on the Regional GTFS data feed, and because the tool and the supporting data were both developed by the same vendor, it is more efficient for MTC to issue a single contract for the management of both products. Both Regional GTFS feed and the Transit Connectivity Gap Analysis Tool were custom developed by Interline for MTC. It will be most cost effective to continue using Interline to enhance and maintain these products, because engaging with a different firm would create start-up, migration and integration costs.

Staff is recommending approval of a sole source contract with Interline to enhance and manage the Transit Connectivity Gap Analysis Tool with Regional GTFS Data.

Interline's small business enterprise and disadvantaged business enterprise status is set forth in Attachment A.

Issues: None identified.

Recommendation: Staff recommends that the Operations Committee authorize the Executive Director or designee to enter into a contract with Interline Technologies LLC, in an amount not to exceed \$300,000 to enhance and maintain the Transit Connectivity Gap Analysis Tool with Regional GTFS for a two-year period starting from the date of contract execution with an option to extend for two additional years.

Attachments: Attachment A: Contractor Small Business and Disadvantaged Business Enterprise Status


Therese W. McMillan

**Transit Connectivity Gap Analysis Tool with Regional GTFS Data Contract
Small Business and Disadvantaged Business Enterprise Status**

Prime Contractor

Subcontractor

Firm Name	Role on Project	DBE* Firm			SBE** Firm		
		Yes	If Yes, List #	No	Yes	If Yes, List #	No
Interline Technologies LLC	Enhance, deploy, and maintain the Transit Connectivity Gap Analysis Tool with Regional GTFS			X	X	2011482	
N/A							

*Denotes certification by the California Unified Certification Program (CUCP).

**Denotes certification by the State of California.

REQUEST FOR OPERATIONS COMMITTEE APPROVAL

Summary of Proposed Contract

Work Item No.:	1224
Contractor:	Interline Technologies LLC Alameda, CA
Work Project Title:	Transit Connectivity Gap Analysis Tool with Regional GTFS Data
Purpose of Project:	Enhance, operate, and maintain MTC's Transit Connectivity Gap Analysis Tool with Regional GTFS that helps transit agencies to evaluate connectivity impacts of service changes on other transit services at common transfer locations.
Brief Scope of Work:	Design, development, and deployment of the enhanced transit connectivity gap analysis tool and its underlying regional GTFS data feed; and operation and maintenance of the system.
Project Cost Not to Exceed:	\$300,000
Funding Source:	RM2 Marketing (\$220,000), STA (\$80,000)
Fiscal Impact:	Funds are included in the FY 2020-21 MTC Budget.
Motion by Committee:	That the Executive Director or designee is authorized to negotiate and enter into a contract with Interline Technologies LLC for the purpose described above and in the Operations Committee Summary Sheet dated November 6, 2020 and that the Chief Financial Officer is authorized to set aside \$300,000 for such contract.
Operations Committee:	<hr/> Dave Cortese, Chair
Approved:	November 6, 2020