Metropolitan Transportation Commission
Administration Committee

June 8, 2022 **Agenda Item 2f - 22-0888**

Contract Amendment – Land Use Model Development: WSP USA Inc. ($175,000)

Subject:

A request for approval of a contract amendment with WSP USA Inc. (WSP), for an amount not to exceed $175,000, to continue to develop MTC's land use model.

Background:

On March 18, 2019, MTC issued a Request for Qualifications (RFQ) for Land Use Model Development through August 30, 2020, with an option to extend the period of the bench through August 30, 2023. Three firms were selected for the Land Use Model Development Bench: Oakland Analytics LLC, UrbanSim Inc. and WSP.

WSP was selected for the Land Use Model Development Bench due to their demonstrated technical expertise and broad experience with modeling. The team has advanced computer science training, has worked on many Metropolitan Planning Organization (MPO) models, and understands MTC's needs. After establishment of the Land Use Model Development Bench, MTC issued a direct selection to WSP for the initial contract related to this work.

The Future of Land Use Modeling and Planning Process (FoLUMPP) will select a land use model which best serves the agency's regional planning needs. WSP is poised to contribute to the evaluation of various land use model alternatives to help arrive at a determination. Upon selection of a land use model, may either contribute to the refinement of the existing Bay Area UrbanSim land use model or the implementation of a new land use model for MTC. Refining the existing land use model, Bay Area UrbanSim, includes four streams of work: code cleaning and stabilizing, updating base year model input data, visualizing and documenting the forecast, and improving model accuracy and capability through feature enhancement. Developing a new land use model entails customizing software for use in the regional planning process and assessing the reasonableness of its outcomes.

The modeling unit is also concerned with improvement of the overall model system. These projects include developing models to enhance the representation of demographic variables that serve as strong predictors of land use and travel behavior and further integrating the regional economic, land use, and travel models.

Issues:

None

Recommendation:

Staff recommends that the Committee authorize the Executive Director or designee to enter into a contract amendment with WSP USA, Inc. in the amount not to exceed $175,000 for a new total contract not to exceed amount of $375,000 to continue to develop MTC's land use model.

Attachments:

Request for Committee Approval – Summary of Proposed Contract Amendment

Therese W. McMillan

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Contract

Work Item No.:	1122
Consultant:	WSP USA, Inc. San Francisco, CA
Work Project Title:	Land Use Model Development
Purpose of Project:	To provide development and analytical support for MTC's land use model
Brief Scope of Work:	Support the Future of Land Use Modeling and Planning Process at MTC by refining MTC's existing land use model or contributing to the development of a new land use model. Develop auxiliary models to improve demographic modeling and integration with the travel model.
Project Cost Not to Exceed:	$175,000 (this amendment) Total authorized contract before this amendment $200,000 Total authorized contract after this amendment: $375,000
Funding Source:	General Funds FY 2021-22
Fiscal Impact:	None
Motion by Committee:	That the Executive Director or designee is authorized to negotiate and enter into a contract amendment with WSP USA, Inc. for Land Use Model Development as described above and in the Administration Committee Summary Sheet dated June 8, 2022, and that the Chief Financial Officer is authorized to set aside $175,000 for such contract amendment.
Administration Committee:	
	Federal D. Glover, Chair
Approved:	June 8, 2022