

Metropolitan Transportation Commission Administration Committee

May 11, 2022

Agenda Item 22-0658

Contract Amendment – ActivitySim/emme Model Conversion Project: WSP USA, Inc. (\$200,000)

Subject:

A request for Committee approval of a contract amendment with WSP USA, Inc. in an amount not to exceed \$200,000, to continue to convert MTC's Travel Model Two (TM2) travel forecasting system to the ActivitySim and emme software platforms.

Background:

The MTC travel model forecasting system is used for a wide variety of requirements ranging from preparation of the Regional Transportation Plan and Sustainable Communities Strategy to detailed corridor studies. The travel models are an integral part of an integrated economic, land use and transport model system, including the use of REMI and Bay Area UrbanSim.

In September of 2020, following a competitive procurement process and approval from this Committee, MTC retained WSP USA, Inc. for the conversion of TM2 to the ActivitySim and emme software platforms for a period of performance through June 30, 2023. This contract was amended July 1, 2021 to add an additional \$150,000, increasing the not to exceed amount to \$500,000.

TM2 currently utilizes two primary software packages – CT-RAMP (Java based software) and Cube Voyager (transport network software). MTC is one of the original founders of a consortium of public agencies¹ under the AMPO banner, to develop and enhance the ActivitySim platform. ActivitySim is now available to replace CT-RAMP. ActivitySim offers a more sustainable and useable software platform to support TM2.

The emme software platform provides MTC with the full range of capabilities needed to adequately support both the current version and expected enhancements to TM2, including the ability to consider transit capacity, crowding, and reliability. The Cube Voyager software is

¹ Puget Sound Regional Council (PSRC), Metropolitan Transportation Commission (MTC), San Francisco County Transportation Authority (SFCTA), San Diego Association of Governments (SANDAG), Atlanta Regional Commission (ARC), Southeast Michigan Council of Governments (SEMCOG), Oregon Department of Transportation, and Metropolitan Council.

unable to provide this capability. As such, the use of emme provides MTC with a significantly more advanced transport modeling software platform.

This project will migrate the complete TM2 model system, i.e., the supply and demand components and supporting software/scripts, to the ActivitySim and emme platforms.

MTC anticipates that many, if not most, of our regional partners (County Transportation Agencies (“CTAs”) and transit service providers) will embrace TM2 as their modeling platform in which to perform their respective planning and operational responsibilities.

The purpose of this requested amendment is to improve the representation of the transit network with the removal of transit access points that will, in turn, reduce the model application run time.

The consultant’s and their subcontractors’ small business and disadvantaged enterprise status is shown in Attachment A.

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 of \$200,000 for a new contract total not to exceed amount of \$700,000 through the term of June 30, 2023

Attachments:

Attachment A: Small Business and Disadvantaged Business Enterprise Status
Request for Committee Approval – Summary of Proposed Contract Amendment



Therese W. McMillan

Attachment A

Disadvantaged Business Enterprise and Small Business Enterprise Status

	Firm Name	Role on Project	DBE * Yes	If DBE Yes, List #	DBE No	SBE** Yes	If SBE Yes, List #	SBE No
Prime Contractor	WSP USA, Inc.	Key Technical Lead			X			X
Subcontractor	W&S Solutions	Network & Model Conversion Development	X	38506		X	1523444	
Subcontractor								

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

**Denotes certification by the State of California.

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Contract Amendment

Work Item No.: 1122

Consultant: WSP USA, Inc.
San Francisco, CA

Work Project Title: ActivitySim/emme Model Conversion Project (24014)

Purpose of Project: Convert TM2 to use of the emme and ActivitySim software platforms.

Brief Scope of Work: Individual tasks include the design and conversion of TM2.1 to use of the emme and ActivitySim software platforms.

Project Cost Not to Exceed: \$200,000 (this amendment)
Total authorized before this amendment \$500,000
Total authorized after this amendment: \$700,000

Funding Source: Carryover FTA 5303 Funding.

Fiscal Impact: Funds are included in the FY 2021-22 agency budget.

Motion by Committee: That the Executive Director or designee is authorized to negotiate and enter into a contract amendment with WSP USA, Inc. for the ActivitySim/emme Model Conversion Project in an amount not to exceed \$200,000 as described above and in the Administration Committee Summary Sheet dated May 11, 2022, and the Chief Financial Officer is authorized to set aside \$200,000 for such contract amendment.

Administration Committee: _____
Federal D. Glover, Chair

Approved: May 11, 2022