

Metropolitan Transportation Commission
Administration Committee

May 08, 2024

Agenda Item 2d-24-0535

**Contract Amendment – ActivitySim/emme Model Conversion Project: WSP USA, Inc.
(\$150,000)**

Subject:

Authorization to negotiate and enter into contract amendment with WSP USA, Inc. in an amount not to exceed \$150,000, 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 contract in the amount of \$350,00 and for period of performance through June 30, 2023. This contract was amended July 2021 to add an additional \$150,000, increasing the not to exceed amount to \$500,000. Furthermore, this contract was amended June 2022 to add an additional \$200,000, and in April 2024, the contract was extended to December 31, 2024 and added an additional \$150,000, increasing the contract not to exceed amount to \$850,000.

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 agencies 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 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 proposed amendment is to improve the stability and usability of the TM2, to ensure its readiness for application in the 2029 Regional Transportation Plan.

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

Issues:

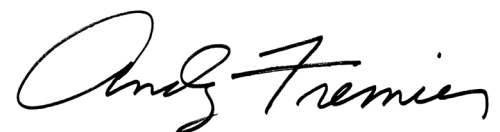
None identified.

Recommendations:

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 \$150,000 for a new contract total not to exceed amount of \$1,000,000 through the term of December 31, 2024

Attachments:

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



Andrew B. Fremier

Attachment A

Disadvantaged Business Enterprise and Small Business Enterprise Status

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

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

**Denotes certification by the State of California.

Request for Committee Approval

Summary of Proposed Consultant 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 the emme and ActivitySim software platforms

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

Project Cost Not to Exceed: This amendment: \$150,000
Contract amount before this contract amendment: \$850,000
Maximum contract amount after this amendment: \$1,000,000

Funding Source: FHWA (1109)

Fiscal Impact: Funds are included in the FY 2023-24 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 \$150,000 as described above and in the Administration Committee Summary Sheet dated May 8, 2024, and the Chief Financial Officer is authorized to set aside \$150,000 for such contract amendment.

Administration Committee:

Gina Papan, Chair

Approved: May 8, 2024