



RESOLUTION AWARDDING THREE-YEAR PROFESSIONAL SERVICES CONTRACTS, WITH AN OPTION TO EXTEND FOR TWO ADDITIONAL ONE-YEAR PERIODS, TO WSP USA, INC. AND RESOURCE SYSTEMS GROUP, INC. IN A COMBINED AMOUNT NOT TO EXCEED \$200,000 FOR ON-CALL MODELING SERVICES, AND AUTHORIZING THE EXECUTIVE DIRECTOR TO NEGOTIATE CONTRACT PAYMENT TERMS AND NON-MATERIAL CONTRACT TERMS AND CONDITIONS

WHEREAS, TIMMA relies on on-call consultants to support the Technology, Data, and Analysis Division with various services related to travel modeling and analysis; and

WHEREAS, On-call modeling services include assistance with travel demand model development, project-level modeling assistance, data collection, and traffic operations analysis in support of the Treasure Island Mobility Management Program; and

WHEREAS, Given the wide range of desired proficiencies and experience, the amount and complexity of TIMMA's work program, and occasional conflicts of interest or availability that arise for specific efforts, staff propose to contract with two consultant teams with which TIMMA may call upon on a task order basis; and

WHEREAS, On September 5, 2017, TIMMA and the San Francisco County Transportation Authority (Transportation Authority) issued a Request for Qualifications (RFQ) for on-call modeling services to support TIMMA's work program over the next three years; and

WHEREAS, TIMMA received three Statements of Qualifications (SOQs) in response to the RFQ by the due date of October 4, 2017; and

WHEREAS, A selection panel comprised of San Francisco Municipal Transportation Agency and TIMMA staff evaluated the SOQs based on qualifications and other criteria identified in the RFQ; and



WHEREAS, Interviews were not conducted nor deemed necessary due to the quality of the SOQs and the familiarity of staff with previous work performed by the majority of firms who submitted SOQs; and

WHEREAS, Based on the competitive process defined in the evaluation criteria of the RFQ document, the selection panel recommended awarding contracts to the two highest-ranked firms: WSP USA Inc. (WSP) and Resource Systems Group, Inc. (RSG); and

WHEREAS, The selection panel recommended that the Transportation Authority and TIMMA both award contracts to the same two firms as the agencies' share modeling staff resources which will enhance staff efficiency in issuing task orders and supporting project needs; and

WHEREAS, TIMMA's portion of the scope of work described in the RFQ is anticipated in TIMMA's adopted Fiscal Year (FY) 2017/18 work program and budget through relevant projects and studies, and sufficient funds will be included in future fiscal year budgets to cover the cost of these contracts; and

WHEREAS, The professional services will be funded by a combination of federal Surface Transportation Planning grants, federal and/or state grants from Caltrans and the Metropolitan Transportation Commission, local agency contributions and Prop K sales tax funds; now, therefore, be it

RESOLVED, That TIMMA hereby awards three-year professional services contracts, with an option to extend for two additional one-year periods, to WSP and RSG in a combined amount not to exceed \$200,000 for on-call modeling services; and be it further

RESOLVED, That the Executive Director is hereby authorized to negotiate contract payment terms and non-material contract terms and conditions; and be it further

RESOLVED, That for the purposes of this resolution, "non-material" shall mean contract terms and conditions other than provisions related to the overall contract amount, terms of payment,



and general scope of services; and be it further

RESOLVED, That notwithstanding the foregoing and any rule or policy of TIMMA to the contrary, the Executive Director is expressly authorized to execute agreements and amendments to agreements that do not cause the total agreement value, as approved herein, to be exceeded and that do not expand the general scope of services.

Attachment:

1. Scope of Services



The foregoing Resolution was approved and adopted by the Treasure Island Mobility Management Agency at a regularly scheduled meeting thereof, this 12th day of December, 2017, by the following votes:

Ayes: Commissioners Cohen, Kim, Peskin, Safai, Tang, and Yee (6)

Absent: Commissioners Breed, Farrell, Fewer, Ronen, and Sheehy (5)

Jane Kim 3/1/18
Jane Kim Date
Chair

ATTEST: Tilly Chang 3/2/18
Tilly Chang Date
Executive Director

Attachment 1 – TIMMA Scope of Services

TIMMA seek consultant teams with expertise in multimodal activity-based modeling, dynamic traffic/transit assignment, land use modeling, and data collection, analysis, visualization and warehousing in complex urban settings. It is the intent of TIMMA to pre-qualify multiple consultant firms and/or teams of firms in the major tasks described below that will collectively provide the best overall service packages, inclusive of fee considerations, on an as-needed basis for modeling projects through the issuance of Task Orders. TIMMA will separately contract with the selected teams for a three-year term, with an option to extend, which may be exercised at the discretion of TIMMA, for two additional one-year periods (up to a total of five years). Consultant firms will be pre-qualified to perform services for TIMMA. TIMMA has budgeted \$200,000 for these contracts for the first three-year term, with the value of subsequent one-year extensions to be determined by future TIMMA budgets.

Travel Model Technical Assistance Required: As noted above, it is the intent of TIMMA to contract with one or more modeling consultant teams, with whom TIMMA shall select prospective consultants on a Task Order basis for modeling development and application projects. The establishment of contracts with one or more consultant teams will enable TIMMA to enlist the services of a broad range of modeling specialists on an on-call, as-needed basis. As needs arise, TIMMA will share outline scopes of work with lead firms to obtain more detailed team task order proposals (scopes, schedules/availability, personnel, budgets). TIMMA will assign tasks on these criteria as well as conflicts of interest, if any. No selected team is guaranteed a Task Order under this contract.

A list of six general areas of expertise sought in prospective teams is provided below, lettered A through F. TIMMA will favorably consider teams that have capabilities in all six areas of expertise, but specialized teams may also submit responses for one or more areas of expertise that match the team's capabilities. Teams must declare which of these areas of expertise they are qualified to support.

A. Activity-Based Travel Model (“ABM”) Development

- Developing and managing travel model source code using git/github version control
- Update individual subcomponents of SF-CHAMP to provide enhanced analytic capabilities
- Enhance local-area validation for specific corridors as project studies arise; for example the Bay Bridge corridor and traffic traveling to and from Treasure Island
- Economic, land use, and demographic forecasting to support ABM

B. Dynamic Traffic Assignment (“DTA”) and/or Dynamic Transit Assignment

- Update the Transportation Authority’s DTA model and expand the network regionally
- Validate and apply the DTA model

C. Model Applications

- Provide modeling support for various upcoming ABM and/or DTA model applications
- Develop, code, run, and provide insight on modeling scenarios
- Support TIMMA-specific needs, including:
 - Provide model application support for Treasure Island development, toll/pricing policy, and transportation service scenarios

Attachment 1 – TIMMA Scope of Services

- Integrate travel forecasts with other TIMMA modeling tools, e.g., Excel-based cost and revenue model(s)

D. Data Collection and Analysis

- Traffic data collection and surveying
- Collection and analysis of passively collected and/or location-based data
- Support TIMMA-specific needs, including:
 - Perform data analysis and insight from baseline (“before-project”) data
 - Develop data approach for TIMMA Program’s Monitoring and Evaluation Plan

E. Traffic Operations Analysis

- Evaluate roadway operations
- Conduct traffic microsimulation analysis
- Analysis and forecasting of toll roads, managed lanes, transportation pricing, and travel demand management policies
- Advise on transportation facility design regarding operational performance and geometric or technological constraints

F. Data Warehouse and Visualization

- Graphical representation, mapping, and visualization
- Web-based data presentation and interactive tools

The above-mentioned areas of expertise and example task types are representative of needs in the coming three years – additional undetermined task types are anticipated to be needed and not all task types listed above will necessarily be produced under this contract in the next three years.