



METROPOLITAN
TRANSPORTATION
COMMISSION

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Agenda Item: 2g

TO: Administration Committee

DATE: October 2, 2013

FR: Deputy Executive Director, Policy

W.I.: 1414

RE: Contract – Climate Change and Extreme Weather Adaptation Options for Transportation Assets in the Bay Area Pilot Project: AECOM (\$300,000)

Staff seeks the Committee's approval to enter into a contract in the amount of \$300,000 with AECOM to assess and develop adaptation options for vulnerable transportation assets in the San Francisco Bay Area due to sea level rise.

Background

In March 2013, MTC, in partnership with the San Francisco Bay Conservation and Development Commission (BCDC), Caltrans District 4, and San Francisco Bay Area Rapid Transit District (BART) was awarded a \$300,000 grant from the Federal Highway Administration (FHWA) to pilot a framework to assess climate change and extreme weather vulnerability and adaptation options for transportation infrastructure. This project will leverage previous vulnerability and adaptation efforts, including the *Adapting to Rising Tides (ART): Transportation Vulnerability and Risk Assessment Pilot Project*, funded by FHWA and undertaken by MTC, Caltrans and BCDC. Released in November 2011, the previous pilot project included a risk assessment of vulnerable transportation infrastructure in Alameda County due to sea level rise.

All four agencies have committed staff time as the local match for this grant. The key objectives of this pilot project are as follows:

- Develop multi-modal climate change adaptation strategies that will increase the resiliency and sustainability of the Bay Area's transportation system;
- Conceive and evaluate multi-objective adaptation strategies at various scales (asset, sector, and focus area) to reduce the risks from sea level rise and storms for community and ecological assets;
- Identify adaptation strategies that each of the four agencies involved can pursue both independently and as part of a coordinated effort responding to climate change scenarios and asset types included in this proposal; and
- Develop a process for adaptation strategy development and evaluation that can be replicated elsewhere.

The pilot project will focus on three areas within the ART sub-region of Alameda County to develop multimodal adaptation options and an implementation strategy. The three focus areas that have been selected for analysis include:

1. The West Oakland/Emeryville/Bay Bridge Peninsula;
2. The Oakland Coliseum Area; and
3. The State Route 92 Corridor.

These three focus areas include regionally critical transportation assets, significant natural and structural shoreline features, and infrastructure and utilities that communities both within and outside of the focus areas rely upon.

Procurement Process

On August 1, 2013, MTC issued a Request for Proposal (RFP) for consultant assistance on the pilot project. An email or postcard advertising the availability of the RFP on MTC's website was sent to over 350 individuals/firms. In response, MTC received three proposals which were reviewed by an evaluation committee of MTC, BCDC, Caltrans District 4, and BART staff to determine the relative quality of proposed project staff and firm expertise.

Discussions were held with the following firms:

Firm	Location	Proposal Budget
ICF International	San Francisco, CA	\$299,971
AECOM	San Francisco, CA	\$299,583
ARUP	San Francisco, CA	\$298,857

The evaluation committee unanimously found AECOM to be the superior team based on their depth of understanding of the anticipated project outcomes, the team's extensive experience on relevant related projects, including serving as the lead consultant that helped develop the previous ART pilot project, as well as their overall approach, cost effectiveness, technical methodology, and ability to present deliverables in a clear and concise manner.

Recommendation

Staff recommends that this Committee authorize the Executive Director or his designated representative to negotiate and enter into a contract with AECOM in an amount not to exceed \$300,000, to deliver the Climate Change and Extreme Weather Adaptation Options for Transportation Assets in the Bay Area Pilot Project.



Ann Flemer

AF: sh

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Consultant Contract

Work Item No.: 1414

Consultant: AECOM
San Francisco, CA

Work Project Title: Climate Change and Extreme Weather Adaptation Options for Transportation Assets in the Bay Area Pilot Project.

Purpose of Project: Assess and develop adaptation options for vulnerable transportation assets in the San Francisco Bay Area due to sea level rise.

Brief Scope of Work:

- Develop multi-modal climate change adaptation strategies;
- Conceive and evaluate multi-objective adaptation strategies at various scales (asset, sector, and focus area) to reduce the risks from sea level rise and storms;
- Identify adaptation strategies that each of the four agencies involved can pursue both independently and as part of a coordinated effort; and
- Develop a process for adaptation strategy development and evaluation that can be replicated elsewhere.

Project Cost Not to Exceed: \$300,000

Funding Source: FHWA's Surface Transportation Research, Development and Deployment Funds

Fiscal Impact: Funds are included in the FY 2013-14 agency budget

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into a contract with AECOM to deliver the Climate Change and Extreme Weather Adaptation Options for Transportation Assets in the Bay Area Pilot Project as described above and in the Deputy Executive Director's October 2, 2013 memorandum and the Chief Financial Officer is directed to set aside funds up to \$300,000 for such contract.

Administration Committee:

Adrienne J. Tissier, Chair

Approved: Date: October 9, 2013