Subject: Release of Request for Proposals for SACOG’s Climate Adaptation Planning Activities (Est. time: 3 minutes)

Action

Prepared by: Amy Lee
Approved by: James Corless
Attachments: Yes

1. Issue:
SACOG is looking for consultant services for the Climate Adaptation Plan.

2. Recommendation:
That the Board (1) authorize staff to release a Request for Proposals (RFP) for consultant services to assist with the regional climate adaptation plan, and (2) authorize the Chief Executive Officer to negotiate and sign a contract with the selected consultant.

3. Background/Analysis:
SACOG was awarded a Caltrans Adaptation Planning Grant in Fall 2017 to advance transportation-related climate adaptation planning in the region. Work on this grant started in January 2018, and will include an in-depth vulnerability assessment of the transportation network and assets, analysis of planning- and asset-level adaptation and resiliency strategies, development of an adaptation guidance, and piloting the adaptation guidance on planned transportation projects.

4. Discussion/Analysis:
Staff is seeking consultant services for analysis of planning- and asset-level adaptation and resiliency strategies. This analysis will build upon state and federal climate adaptation guidance, include cost-benefit analyses of adaptation strategies, and be used to develop guidance documents and policy recommendations for SACOG’s Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS) and funding programs. Consultants will use this guidance for pilot tests on at least two projects in the MTP/SCS project list, and will revise the guidance based on lessons learned from the pilot tests.

If approved, staff will release an RFP for these services in Summer 2018 and work will start in the late fall or early winter. A draft of the full scope of work for the consultant services is included as Attachment A.
5. Fiscal Impact/Grant Information:
The SACOG board approved the scope of this project when it authorized staff to submit an application to the Caltrans Adaptation Planning Grant program. This project, including the consultant services provided by this RFP, are included in the both the 2017-2018 and 2018-2019 Overall Work Program. This phase of consultant services has a budget not to exceed of $80,000.

ATTACHMENTS:
Description
Attachment A - Draft Scope of Work

This staff report aligns with the following SACOG Work Plan Goals:
#1 - Advance Economic Prosperity
#4 - Connect Low-Income & Disadvantaged Populations to Jobs & Opportunity
#5 - Establish the Sacramento Region as an Innovator & Test-Bed for New Ideas
#7 - Deliver Key High-Profile Transportation Projects
DRAFT SCOPE OF WORK

1. Transportation Project Analysis & Incorporating State Guidance at the Project Level

Task 1.1. Review federal and state guidance (e.g. California Executive Order B-30-15) for climate impact analyses for a selection of representative transportation projects (e.g. bridge impacted by flood risk) that are existing and planned in the SACOG region. The selection of representative projects will be provided by SACOG.

Task 2.2. Identify planning- and engineering-level adaptation strategies to avoid potential climate impacts for the selection of representative transportation projects.

Task 2.3. Conduct climate impact project analyses on the selection of representative projects. Analysis will include analysis of benefits and cost estimates of climate impacts and relevant adaptation strategies for each representative project.

Task 2.4. Develop recommendations for planning- and engineering-level adaptation strategies for the representative projects based upon cost, as well as other prioritizing factors in the Executive Order. These include but are not limited to:

- Prioritize natural infrastructure solutions
- Protect vulnerable populations
- Apply flexible, adaptive approaches
- Prioritize actions that increase resiliency while reducing greenhouse gas emissions.

2. Develop Draft Guidance

Task 2.1. Compile guidance for similar climate adaptation efforts. Document and compare methodologies for each type of transportation project and identify differences. Indicate how to utilize state guidance in planning and engineering local projects. Provide a framework for identifying suitable adaptation strategies. Design a process for future reference in future analyses of projects similar to the representative projects.

3. Implementation of Guidance

Task 3.1. Use the guidance document created in Task 2 to pilot the full assessment methodology on one project from SACOG’s Metropolitan Transportation Plan/Sustainable Communities Strategy. Identify how existing designs and capital improvement projects can be altered to incorporate climate resiliency strategies.
Task 3.2. Use cost-benefit analyses and comparisons to determine which adaptation methods are most beneficial economically and fiscally.

Task 3.3. Refine the guidance documents from Task 2.1 with findings from this pilot test.


Task 4.1. Circulate the final draft guidance documents from Task 3.3 to Caltrans and stakeholders for review. Incorporate feedback as needed and complete the guidance document.

Task 4.2. Prepare a final report summarizing the policy and funding context, data used, methodology, and findings of the transportation project analysis. Develop and include in the final report recommendations about how to incorporate guidance, policies, and scoring criteria into SACOG’s future MTP/SCS and transportation funding programs.

DEVELOPERABLES

(1.1) Summary of climate impact analysis methods from state and federal guidance documents, including Executive Orders.

(1.2) Report of climate adaptation strategies for each representative project, including recommendations based on costs, benefits, and prioritization factors.

(1.3) Report of estimated costs (economic, physical, and social) incurred on representative projects from climate related impacts and associated adaptation strategies, with a summary of benefit-cost analyses and recommended adaptation strategies for sample projects.

(2.1) Draft guidance document for state, MPOs, counties, and cities to incorporate climate analysis, climate adaptation planning and Executive Order B-30-15 guidance into project-level work.

(3.1) Results of pilot test, including results of cost-benefit analyses.

(4.1) Final draft of guidance documents.

(4.2) Final report.