

## TTAC STAFF REPORT

**SUBJECT:** Highway 101 HOV Project: Corridor Support Services for Traffic

**MEETING DATE:** November 2, 2017

**AGENDA ITEM:** 6

**STAFF CONTACT:** Fred Luna

### RECOMMENDATION:

Approve recommendation to the SBCAG board for the Chair to execute a contract with Fehr & Peers for traffic support services related to the Highway 101 HOV Project at a cost not to exceed \$200,000.

### DISCUSSION:

SBCAG and Caltrans have been sharing the responsibility of performing work tasks for the Highway 101 HOV project that are common along the entire corridor. These tasks have been termed Corridor Support Services. During the Decision Point Documents (DPD) phase and currently continuing, SBCAG has led the effort using consultants in the following areas:

- Hydraulic Analyses of Highway 101 creeks
- Right of Way and Utility Investigations and Documentation
- Coastal Permitting Coordination
- Public Outreach
- 3D Modeling, Visualizations
- Value Analysis and Cost Risk Analysis

Caltrans has led the following Corridor Support services:

- Surveying and Mapping
- Geotechnical and Materials
- Hazardous Waste Investigations
- Environmental and Regulatory Permits

One specific area that was identified during the DPD phase of the project but was determined was not needed throughout the corridor, was in the area of traffic operational analysis and support services. For the development of the DPD in the northern segment, the Mark Thomas design team did retain services specifically for traffic analyses and work efforts related to the northern segment only. Mark Thomas used Fehr & Peers to support their team.

With the conclusion of the DPD, as of March 2017, SBCAG and Caltrans have anticipated the need for traffic support services across the entire corridor as the detailed design is begun to evolve particularly in the early delivery segments of Highway 101 HOV project such as segments 4A to 4C. SBCAG agreed to lead this effort, but recognized a separate procurement process would be required since it was not a Corridor Support Service that was originally identified back in 2015. The areas of support that SBCAG and Caltrans have identified are included at Attachment A to this staff report.

SBCAG prepared a Request for Qualifications (RFQ) and received authorization from the SBCAG board in June 2017 to initiate the process for retaining the services of a qualified traffic consultant. The RFQ was issued on July 21, 2017 and Statements of Qualifications were submitted by 3 prospective consultants on August 25, 2017. Those three firms were:

- Fehr & Peers
- Kimley Horn & Associates
- TJKM

Per Section IX of the RFQ, SBCAG put together a “panel of representatives” to make a recommendation/selection of the consultant. The selection panel included the following representatives:

- Fred Luna, Deputy Corridor Manager 101 HOV, SBCAG
- Julio Perucho, Senior Transportation Planner, SBCAG
- Sam Toh, Traffic Operations, Caltrans District 5
- David Emerson, Project Manager, Caltrans District 5 (did not score RFQ's)

Following the review of the SOQ's, and the proposed team members, the selection panel determined that each of the 3 teams were highly qualified to provide the requisite services for the Highway 101 HOV project. Consequently, SBCAG set up interviews with all 3 firms. Interviews were held on October 5, 2017. Based on the most immediate need and emphasis of the types of services that would be required, the selection panel recommended that Fehr & Peers be selected as the traffic support services consultant for SBCAG. F&P was able to leverage their recent work on the Highway 101 DPD effort to show that they could immediately assist in other areas and with other efforts in the corridor to support the detailed design and the coastal permitting process. Some of their key differentiators included:

- Recent and successful experience with the project design teams
- Use of sub-area model tool to evaluate ramp closure scenarios and diversion
- Preparation of simulations and videos that could be used to public settings and meetings
- Understanding need to maintain bicycle and pedestrian access during construction

SBCAG staff is seeking a recommendation from TTAC to the full SBCAG board to enter into a contract for traffic services. Staff will prepare an on-call contract with F&P and issue task orders that would be approved by the Executive Director. SBCAG has established a budget of \$200,000 for these services.

#### **ATTACHMENTS:**

- A. Areas of Work for Task Orders for contract with Fehr & Peers

**ATTACHMENT A**

**AREAS OF WORK**

**FOR TRAFFIC RFQ - CORRIDOR SUPPORT SERVICE**

- Conducting traffic counts
- Signal warrant analysis
- Analysis of traffic circulation based on ramp or driveway closures/modifications
- Analysis of traffic circulation based on related public or private projects being developed
- Analysis of traffic circulation based on various scenarios for implementation of construction of the 101 HOV to assess temporary impacts
- Analysis of pedestrian and bicycle circulation patterns as a result of proposed improvements and/or during construction
- Analysis related to developing incentive/disincentive specifications related to ramp closures
- Intersection operational analyses, including Intersection Control Evaluation (ICE) studies
- Analysis of auxiliary lanes performance
- Travel Demand Modeling for developing subarea models based on SBCAG Regional Travel Model
- Microsimulation analysis