STAFF REPORT

TO: AC Transit Board of Directors
FROM: Michael A. Hursh, General Manager
SUBJECT: Contract Award for Adaptive Traffic Control System for South County Corridors Transit Performance Initiative (Line 97) Project

ACTION ITEM

RECOMMENDED ACTION(S):

Approve contract award to Kimley Horn (KHA) for the Adaptive Traffic Control System (ATCS) for the South County Corridors Transit Performance Initiative (Line 97) Project.

BACKGROUND/RATIONALE:

In September 2014, the District, along with its partner cities of San Leandro, Hayward, Union City, and Alameda County, was awarded $5 million through the Metropolitan Transportation Commission’s (MTC) Transit Performance Initiative (TPI) program.

Subsequently, AC Transit, Alameda County and Union City received $228,000 in Transportation Fund for Clean Air (TFCA) funding through the Alameda County Transportation Commission (ACTC) to offset the need for District matching funds.

Finally, $500,000 from the Next Generation Arterial Operations (NGAOP) Program was used by MTC to develop the systems engineering and the technical specifications for this ATCS Request for Proposals (RFP). Because the consultant costs ended up being less than estimated, MTC has provided the remaining $140,000 to the District to help pay for this ATCS procurement. The funding contribution was approved by the Board in January 2016.

This project is intended to improve corridor traffic and transit operations along Hesperian Boulevard, Union City Boulevard, Alvarado Boulevard, Dyer Street, Alvarado-Niles Road, and Decoto Road (AC Transit Line 97). The corridor is approximately 12.5 miles long and is the major travel corridor between the Bay Fair BART Station in the City of San Leandro and the Union City BART Station in the City of Union City via the Union Landing Transit Center. The project will install transportation infrastructure improvements to decrease traffic delay and increase operational reliability for buses along the length of the corridor. Improvements include, but are not limited to: ATCS along Hesperian Boulevard in San Leandro, unincorporated Alameda County and Hayward; Corridor-wide Transit Signal Priority; signal coordination; and relocation of key bus stops from near side to far side. The ATCS is a critical piece of the project that upgrades the existing traffic signal system and its coordination along the corridor to better manage traffic using real-time monitoring/reporting and respond to changing traffic conditions to reduce traffic congestion and travel time.
The ATCS contract is the first of several contracts necessary to prepare for project construction. A second contract for design services is expected to be presented to the Board in several weeks. A third contract for construction management will come to the Board next quarter.

The District received two qualified submittals in response to the ATCS Request for proposal (RFP). The (RFP) was advertised on the District’s website and in local publications. The technical evaluation of the proposals submitted was conducted District staff in cooperation with representatives from MTC, Caltrans, Alameda County, and the Cities of San Leandro and Hayward.

Kimley Horn was selected as the best candidate based on the evaluation criteria in the RFP. Staff concluded negotiations with Kimley Horn at a firm-fixed price of $756,050.

**BUDGETARY/FISCAL IMPACT:**

The funding for the procurement of an ATCS is included in the current Capital Budget as part of the South County Corridors Project as shown in the table below. No additional District funds will be needed for the procurement.

<table>
<thead>
<tr>
<th>Fund Source</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Federal Transit Administration CMAQ</td>
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<tr>
<td>District Capital</td>
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<tr>
<td>MTC NGAOP</td>
<td>$140,000</td>
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<td></td>
<td>$756,050</td>
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**ADVANTAGES/DISADVANTAGES:**

There are no disadvantages associated with procuring an ATCS for this project. Though ATCS is new for the District, it is proven traffic signal technology in other areas of the region and the country that can maximize efficiency and operations along a key transit corridor. ATCS will also modernize and upgrade traffic signal equipment along the corridor, which is favorable to both AC Transit and the local jurisdictions.

**ALTERNATIVES ANALYSIS:**

The South County Corridors project includes the installation of adaptive traffic signals as a fundamental part of the scope. The only alternative to approving this award would be to re-bid the procurement. The existing signals along the corridor cannot provide the functionality required by the project.

**PRIOR RELEVANT BOARD ACTION/POLICIES:**

SR 16-012 – South County Corridors MOU and Funding Agreement
SR 16-013 – Request for Proposals for South County Corridors Transit Performance Initiative Project Adaptive Traffic Control System