



DATE: April 18, 2017

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Shoreline Boulevard Adaptive Signal System, Project 13-30 – Accept Construction**

RECOMMENDATION

Accept Shoreline Boulevard Adaptive Signal System, Project 13-30, and authorize the final contract payment.

BACKGROUND

On May 5, 2015, the City Council authorized the award of the construction contract for the Shoreline Boulevard Adaptive Signal System, Project 13-30, and authorized award of the construction contract if the low bid was within the project budget. The contract was awarded to Aegis ITS, Inc., of San Jose, California, at the low bid price of \$1,223,470, which included a \$116,000 construction contingency. The project installed adaptive signal technology, a new camera detection system, and interconnect cables on all 15 traffic signals along Shoreline Boulevard between Church Street and Crittenden Lane.

ANALYSIS

The final construction cost of \$1,112,237 is within the construction budget of \$1,223,470 and included three change orders for additional interconnect cables, traffic signal revisions, and a final item adjustment change order for a total cost of \$4,767.20. All work has been completed in accordance with the plans and specifications.

Before and after travel time surveys were done along Shoreline Boulevard between Church Street and Crittenden Lane, with the following results:

1. Reduction in Average Stop Delay Per Vehicle – 39 Percent
2. Reduction in Average Travel Time Per Vehicle – 28 Percent
3. Reduction in Average Number of Stops Per Vehicle – 40 Percent

FISCAL IMPACT

Shoreline Boulevard Adaptive Signal System, Project 13-30, is funded as shown below:

Construction/Conveyance Tax Fund	\$ 130,000
Shoreline Regional Park Community Fund	661,000
Transportation for Clean Air (TFCA)	
Grant Fund Managed by VTA	<u>800,000</u>
 TOTAL	 <u>\$1,591,000</u>

The total project expenditure, including design, project administration, construction inspection, and other costs is estimated to be \$1,390,000. Remaining funds will be returned proportionally to the Construction/Conveyance Tax Fund and the Shoreline Regional Park Community Fund when the project is closed.

ALTERNATIVE

Determine that the improvements have not been completed in conformance with City standards and decline to accept the improvements until they are completed to the satisfaction of the Council.

PUBLIC NOTICING – Agenda posting.

Prepared by:

Glenn Wong
Assistant Engineer

Reviewed by:

Rodrigo Z. Macaraeg
Principal Civil Engineer

Approved by:

Michael A. Fuller
Public Works Director

Audrey Seymour Ramberg
Assistant City Manager

GW/TS/7/CAM/943-04-18-17CR-E

cc: PCE – Macaraeg, CTE, STE – Aggarwal, SPWI, AE – Wong, SAA – Goedicke, PA – Li, AAI – Doan, cmvgis@mountainview.gov, F/c