

To: A&F Committee

Date: January 30, 2017

From: J. Scott Mitchell
Director of Maintenance

Reviewed by:

SUBJECT: Authorization for the General Manager to Direct WAVE Inc. to Proceed with Inductive Charging Infrastructure Engineering for Support of the Electric Bus Project

BACKGROUND: County Connection applied for and has been awarded an FTA Low or No Emission Program (Low-No Program) Grant for the purchase of four (4) additional electric buses for fixed route service.

SUMMARY OF ISSUES: The electric buses being designed and built by Gillig with the BAE drivetrain are similar in design to the four (4) electric trolleys being operated on the route 4 in Walnut Creek. These buses will need to utilize the same 50 kw inductive charger built by WAVE Inc. to extend the vehicle range.

WAVE Inc. is an American company and meets all Federal Transit Administration (FTA) Buy America guidelines.

WAVE Inc. will work with County Connection to understand the infrastructure requirements for the initial primary in-ground charger. WAVE Inc. and County Connection will establish a schedule for infrastructure development (i.e., utility hookup, permitting, etc.) needed to meet the deployment schedule for the Gillig buses.

FINANCIAL: Cost not to exceed \$630,000.

RECOMMENDATIONS: Staff recommends that the A&F Committee recommend that the Board of Directors at its February 16, 2017, meeting, adopt a resolution authorizing the General Manager to release a purchase order to WAVE Inc. for the purchase of the WAVE system.