

**SUBJECT**

*LBT1 Battery Electric Bus Charging Station and Parking Lot Improvements*

**RECOMMENDED ACTION**

*To authorize the President and CEO to enter into a contract with California Building Evaluation and Construction, Inc., for the construction of a Battery Electric Bus Charging Station and Parking Lot Improvements at LBT1 to support the 10 battery electric buses (BEBs) in production, for a total authorization not to exceed \$894,110.*

**BACKGROUND**

On April 27, 2015, the Board authorized the President and CEO to enter into a contract with BYD Motors, Inc. (BYD) for the purchase of 10 BEBs. With this purchase, the contract included charging equipment and the control and data systems needed to recharge the bus propulsion system batteries for all 10 BEBs. BYD has provided all charging equipment requirements and specifications to STV Inc., an architecture and engineering firm, to enable charging station design, permitting and construction at LBT1, where the BEBs will be maintained and deployed for service.

Staff has worked with Southern California Edison (SCE) and STV, Inc., and has received permits from the City of Long Beach to perform this work. This phase includes all tasks necessary to install the charging station and supporting electrical infrastructure provided by SCE to charge the buses and provide the capacity for future expansion.

Additionally, the parking lot at LBT1 is in need of repair. Numerous spot pavement failures and excessive cracks require patching and repairing. These repairs will extend the life of the asphalt concrete pavement and guard against future pavement failures. In anticipation of the BEB project, staff delayed and integrated the scheduled repairs of the LBT1 parking lot.

**PROCUREMENT**

LBT released an Invitation for Bid (IFB) and received five responses from general contracting firms. The pricing ranged from \$777,487 to \$1,273,419. The lowest bidder was California Building Evaluation and Construction, Inc., located in Buena Park, California, and was found to be responsive and responsible by LBT's Purchasing department at \$777,487. This firm has been in business for over 17 years and has a vast amount of experience working within the public works arena, including electrical and civil projects similar to LBT's project. Due to the nature of this project and the possibility of unforeseen underground discoveries, staff is also requesting a



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15 percent contingency on the entire bid, amounting to an additional \$116,623, bringing the project total to \$894,110, which includes sales tax.

**ALTERNATIVES CONSIDERED**

The installation of the BEB charging station is a requirement to operate the BEBs, as the charging station provides electricity to power the BEBs. There are no alternatives.

**BUDGETARY/FISCAL IMPACT**

Staff is requesting authorization for the President and CEO to enter into a contract with California Building Evaluation and Construction, Inc., for the construction of a Battery Electric Bus Charging Station and Parking Lot Improvements at LBT1 to support the 10 battery electric buses (BEBs) in production, for a total authorization not to exceed \$894,110.

This project will use federal and state funds outlined in the BEB project previously approved by the Board.

A handwritten signature in black ink, appearing to read 'K. McDonald'.

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Kenneth A. McDonald  
President and Chief Executive Officer