



Board Agenda Item No. 10 February 25, 2021

RECOMMENDED ACTION

To authorize the President and CEO to enter into a contract with Dorado Design and Construction, Inc., for the construction of the LBT1 Battery-Electric Bus (BEB) Charging Station Expansion Project to support the 14 BEBs in production.

STAFF REPRESENTATIVE

James Scott, Executive Director/VP, Maintenance and Infrastructure

BACKGROUND

Long Beach Transit (LBT) has taken several steps to become a sustainable transit agency and is transitioning to a zero-emission fleet.

On November 7, 2019, LBT's Board of Directors authorized the President and CEO to exercise contract options with BYD Motors, Inc. BYD Coach and Bus LLC and enter into an agreement to procure 14 Battery-Electric Buses (BEBs), including charging stations for plug-in electric charging.

To support the aforementioned bus procurement, 14 new charging stations need to be installed. These new charging stations will be located along the west wall of the bus yard.

P2S Engineering (P2S) assisted in the project with construction design for installation of the charging stations. The construction plans for the finalized project were approved by the City of Long Beach on January 15, 2021.

The construction plans consist of the necessary electrical and civil construction details of the site to allow the electrical connectivity of the new charging stations to the nearby power station.

This contract will provide the electrical wiring and site construction work necessary to install and connect power to the 14 charging stations.

The completed project will add 14 electric bus charging stations, increasing LBT's electric bus charging station capacity to 24 chargers within the LBT1 bus depot.

This project is expected to be completed in 60 days after the notice to proceed is given to the contractor.

PROCUREMENT

LBT issued an Invitation for Bid (IFB) to 247 firms and received 12 qualified bids. The 12 bids were reviewed and deemed responsive and compliant.

Dorado Design and Construction, Inc., located in Pasadena, California, was the lowest bidder and was found to be responsive and compliant by LBT's Purchasing department at a cost of \$236,284.



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DBE/SBE PARTICIPATION

A Disadvantaged Business Enterprise (DBE) goal of 14% was established for this contract. Dorado Design and Construction, Inc., a DBE-certified firm, met the DBE goal.

Dorado Design and Construction, Inc., will subcontract electrical work to DBE certified firm, Kambrian Corporation, for 32% of the contract cost.

ALTERNATIVES CONSIDERED

Staff considered not expanding the charging station facility and only using the existing 10 chargers to charge all 24 BEBs. However, this was deemed not feasible as the charging time would exceed the scheduled morning bus pullout times.

BUDGETARY/FISCAL IMPACT

Funds for this project at a total authorization not to exceed \$259,914 have been previously identified and approved in prior year capital budgets.

STAFF RECOMMENDATION

Staff is requesting LBT's Board of Directors to authorize the President and CEO to enter into a contract with Dorado Design and Construction, Inc., for the construction of the LBT1 BEB Charging Station Expansion at a cost of \$236,285, with a 10% contingency, for a total authorization amount not to exceed \$259,914.

A handwritten signature in blue ink, reading 'K. McDonald'.

Kenneth A. McDonald
President and Chief Executive Officer