

COUNCIL ACTION FORM

SUBJECT: APPROVAL OF PLANS AND SPECIFICATIONS – CYRIDE BATTERY ELECTRIC BUS FACILITY IMPROVEMENTS

BACKGROUND:

In preparation for adding battery electric buses (BEBs) into CyRide’s fleet, the existing facility infrastructure will need to be retrofitted. CyRide currently has two electric buses and their associated charger on order. With equipment finalized, facility design specifications were able to be developed. The initial budgetary total for this project was \$152,200, later amended to \$298,161 based on an updated architecture and engineering firm estimate. The Transit Board has approved the following funding for this facility improvement project.

Description	Federal Funds	Local Funds	Total
Facility Construction	\$129,370	\$22,830	\$152,200
Depot Charger – Savings from Favorable Bid	\$31,167	\$12,833	\$44,000
Transfer from Operations Fund Closing Balance	-	\$101,961	\$101,961
Total	\$160,537	\$137,624	\$298,161

When CyRide’s facility was originally constructed, a 208-volt transformer was installed. However, the BEB chargers currently require 480 volts to operate. CyRide worked with its architect, engineering firm, and the Electric Department to accommodate the required voltage and determine a solution. Installing a new 480-volt transformer on the southwest corner of the building was determined to be the best option for CyRide. Plans and specifications were built around this solution.

Plans and specifications call for installing a transformer pad for the 480-volt transformer, new facility switchgear and its associated platform, a charger platform, and installation of the purchased charging equipment. All new equipment will be installed at a height that reduces the risk of water damage in the event of flooding and permits general facility maintenance.

If approved by Council, CyRide staff will work with the Purchasing Division to bid the project. Listed below is the proposed schedule for this project.

Date	Project Element
February 8, 2022	City Council approval of plans & specifications
February 9, 2022	Project release
March 9, 2022	Bids Due
March 22, 2022	Report of bid to City Council
March 23, 2022	Report of bid and award of contract to Transit Board
April 5, 2022	Award of contract to City Council

The plans and specifications were approved by the Transit Board at their meeting on January 26, 2022. The project budget was updated in a special Transit Board meeting on February 4, 2022. Plans and specifications are now on file in the Office of the City Clerk.

ALTERNATIVES:

1. Approve the plans and specifications for the CyRide 2022 CyRide Battery Electric Bus Facility Improvement Project, and establish March 9, 2022, as the bid due date, and establish March 22, 2022, as the date to report bid results to Council.
2. Direct staff to work with the A&E consultant to modify the project plans and specifications to meet City Council priorities.

CITY MANAGER'S RECOMMENDED ACTION:

Approving these plans and specifications will allow CyRide to continue toward the implementation of battery electric buses into the fleet. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1.