



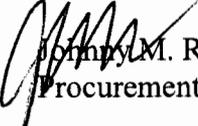
Interoffice Memorandum

APPROVED
BY ORANGE COUNTY BOARD
OF COUNTY COMMISSIONERS

June 24, 2014

JUL 29 2014 KH/BS

TO: Mayor Teresa Jacobs
and the Board of County Commissioners

FROM:  Johnny M. Richardson, Manager
Procurement Division

CONTACT Gary Parker, Senior Project Manager, Capital Planning, Orange County
Convention Center (OCCC)
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SUBJECT: Approval of Contract Y14-814, Design Services for the Orange County
Convention Center (OCCC) Phase IV Fire Alarm Replacement Project

RECOMMENDATION

Approval of Contract Y14-814, Design Services for the Orange County Convention Center (OCCC) Phase IV Fire Alarm Replacement Project with Matern Professional Engineering, Inc. in the total contract amount of \$146,001.53. The OCCC Capital Planning Division concurs with this recommendation.

PURPOSE

The consultant will provide design services for the replacement of the fire alarm system in Phase IV of the West Building.

DISCUSSION

In order to maintain continuity of systems, maximize compatibility, interoperability, safety and also simplicity in maintenance and support the Simplex Grinnell Fire Alarm System was approved for standardization by the Procurement Division for the following reasons:

- a. Three of the four phases have been or are in the process of converting to the Simplex 4100UES Detection and Notification System. Phase IV is currently operating with the old Edwards System Technology (EST) and equipment. Edwards has ceased doing business. As a result, technicians are not available to support the programming requirements. Additionally parts are no longer sold or available. In order to maintain the UL listing for these life safety systems, the parts which are swapped out, must be rated for that particular system to allow the UL rating to be maintained. While the operations staff has saved some EST parts from components taken out of the previous phases during the retrofit to the Simplex Systems, this type of approach is not sustainable and jeopardizes the OCCC ability to maintain its life safety systems into the future.

- b. Additionally, and significantly, the Phase IV smoke control system , which is the most complex of the smoke control systems in the facility is integrally connected to the Fire Detection and Notification System. For smoke containment and removal to function as required by the Life safety's Sequence of Operation, the smoke control system in Phase IV relies on the existing EST system.
- c. Phase V the entire North/South Building utilizes the Simplex 4100 UES Fire detection and Notification System.
- d. The EST is outdated, its is no longer supported by its manufacturer, the ability to find technicians who can maintain or modify the ETS program is problematic. For the OCCC to provide the life safety protection required , the system will have to be replaced.

The West Building Phases I, II, and III are operating under the Simplex Grinnell Fire Alarm System.

Matern Professional Engineering, Inc. was the engineer of record for Phases I and II. These phases are the most recent ones with the construction completed in December 2013. Due to the importance of these life safety projects, it is essential that the engineer of record remain the same for Phase IV. The Phase IV fire alarm replacement project is similar in approach and scope. It is necessary to replace this life safety system at the earliest opportunity. Matern Professional Engineering, Inc's, knowledge of the Simplex Grinnell fire alarm system and the existing conditions in the building will help expedite the design and the construction schedule.

The rates negotiated with Matern Professional Engineering, Inc. are the same rates that the County negotiated for their continuing contract that was awarded in March of 2014. The rates and multiplier are fair and reasonable. The construction estimate for this project is \$2.5M. A design fee of approximately 6% of construction cost is considered very reasonable.

Matern Professional Engineering, Inc. will provide design, bidding and construction administration services.