



## **Development & Construction Committee**

Thursday – July 18, 2024  
9:00 a.m. – 9:30 a.m.  
Boston Convention & Exhibition Center  
415 Summer Street  
Boston, MA 02210

Pursuant to the Massachusetts Open Meeting Law, G.L. c. 30A, §§ 18-25, notice is hereby given of a meeting of the Massachusetts Convention Center Authority's Development & Construction Committee.

The meeting will take place VIA MICROSOFT TEAMS [Click here to join the meeting](#) OR JOIN BY PHONE:  
DIAL-IN NUMBER: [+1-857-702-2232](#)

Phone Conference ID: 470 343 508#

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### **AGENDA**

- I. Roll Call
- II. Review and Adoption of Minutes of June 13, 2024
- III. BCEC Marquee Additional Funds Electrical Work [VOTE]
- IV. Old Business
- V. New Business
- VI. Adjournment



# BCEC Marquee Electrical Power Equipment Development and Construction Committee July 18, 2024

**MASSACHUSETTS  
CONVENTION CENTER  
AUTHORITY**

# Details of the Current BCEC Marquee

- The Marquee was built in 2011
- 76 feet tall
- 7 display surfaces
- Hi-res tiles
- Low-res sticks
- Made \$5M in revenue since inception
- Digital assets have made an average of \$500k per year
- Daktronics is manufacturer of record.



# Contract Terms and Scope

- MCCA Board Authorized in March of 2023, a contract for \$2.4 million dollars, with Daktronics to Replace the Digital Display Tiles and Equipment.
- Procurement was done utilizing Sourcewell, which is a national, state and local contract.
- Replacement equipment would provide (10) years of reliable service and support from manufacturer.
- New system and equipment will provide improved operation and monitoring of the equipment.

# Contract Details

## Details of Project LEDs on Marquee Structure

The entire upper section of the display will be updated to high resolution 10mm LED tile modules; currently the upper section is composed of LED sticks • The lower east and west sections will also be updated to 10mm displays; the current pixel density is 16mm





# Contract Details Continued

## Electrical System

- Internal Power infrastructure will be updated to handle new LED modules



## Back-end Control System

- Video processors
- Back-end control equipment will be updated to handle higher display resolution



## Monitoring

- Monitoring of the display will be improved with the update; the new tile product will be able to send out email alerts if outages are detected



# Contract Scope Change



During the design efforts for permitting, the Main Electrical Service was found to be deficient and in need of an upgrade. In discussions with the State Electrical Inspector, the service will be upgraded to harsh condition equipment and will have a remote shunt trip system installed to allow power disconnection from BCEC Command Center. This work was not in original scope of services. The design efforts also will require additional steel support members to accommodate the new display tiles. The Design estimates have been determined for this work and a not to exceed authorization in the amount of \$600,000.00 will be required.

# **VOTE: BCEC Marquee Contract**

Per Ch. 149 statute requirements, the Authority will issue a change order to the contract with Daktronics to make required electrical improvements and structural steel installations to complete the installation of the New BCEC Marquee Display and to maintain code compliance.

A vote of the Development & Construction Committee to recommend to authorize a change order for the required improvements, to the BCEC Marquee Contract for Daktronics to the full board would take the following form:

**VOTE: The Development & Construction Committee of the Massachusetts Convention Center Authority recommends that the full Board adopt the following vote:**

**VOTE: The Massachusetts Convention Center Authority hereby votes to authorize the Executive Director to execute a change order for the required improvements to the Electrical and Steel Infrastructure to Daktronics in the not to exceed amount of Six Hundred Thousand Dollars (\$600,000.00).**



**VOTE: Change Order Authorization for BCEC Marquee Project**

Per Ch. 149 statute requirements, the Authority will issue a change order to the contract with Daktronics to make required electrical improvements and structural steel installations to complete the installation of the New BCEC Marquee Display and to maintain compliance.

A vote of the Development & Construction Committee to recommend to authorize a change order for required improvements, to the BCEC Marquee Contract for Daktronics to the full board would take the following form:

**VOTE:       The Development & Construction Committee of the Massachusetts Convention Center Authority recommends that the full Board adopt the following vote:**

**VOTE:       The Massachusetts Convention Center Authority hereby votes to authorize the Executive Director to execute a change order for the required improvements to the Electrical and Steel Infrastructure to Daktronics in the not to exceed amount of Six Hundred Thousand Dollars (\$600,000.00).**