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## **Mass Bay Electrical nearing completion of \$5.2 million electrical construction of Logan International's Terminal C renovation/expansion project**

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Mass Bay Electrical is in late phase construction of the \$5.2M electrical renovation and expansion project at Logan International Airport's Terminal C, which is comprised of all gates for Jet Blue and United Airlines. The project's primary electrical contractor, Mass Bay has assigned Maureen Electrical, Inc. to serve as the DBE subcontractor to Mass Bay on the project.

Mass Bay's project scope entails providing numerous electrical upgrades and energy efficient enhancements to the four-decade old facility, including the installation of new LED Lighting Systems featuring integrated controls for daylight harvesting and occupancy dimming. The project also includes a new fire alarm system, paging system, security system, and emergency power distribution system for Terminal C. In addition, the NECA contractor is providing electrical installations for the new TSA security checkpoint in the terminal, as well as for the shopping mall and gate hold rooms.

Mass Bay's project manager Rick Broderick and general foreman Wayne Banks are supervising a field crew ranging from 20 to 24 IBEW Local 103 electricians throughout the aggressive 11-month project timeline. The NECA contractor has crews working night shifts to meet schedule requirements and the project is on track for completion by late June of this year.

All installations are being provided in one of Logan's busiest terminals while the terminal remains fully operational. To accommodate the airport's schedules without disruption, the fast track project is structured and handled in many phases, including: renovations to the ticket hall; installations for the new checkpoint area; renovations to bag belt systems; installations for the new Jet Blue ticket counter; conversion of existing checkpoint areas into new hold rooms for new gates; renovations to the arrivals area bag service offices; and installation of new ventilation and security systems for the crawl space areas under the terminal.

The lighting retrofit is among many unique project challenges being met in the occupied terminal. Lighting in the ticketing hall has required special floating/suspension staging to allow for installation of new EE LED lighting systems. Here, Mass Bay and Maureen Electrical first provided temporary lighting, both underneath and above the staging.

Security system installations are being provided and tested in tandem with system manufacturer Schneider Electric. Within the security scope, Mass Bay has provided infrastructure wiring for the

TSA Advanced Imaging Technology.

Mass Bay is installing a Simplex Grinnell fire alarm system while the existing system is kept operational. New automatic smoke detection and sprinkler systems are being installed throughout the terminal. Additionally, the contractor is providing power wiring for the ventilation system, which interfaces with the fire alarm system.

"Managing logistical challenges is critical to the project's success," said Broderick. He continued, "Simultaneous construction in a \$55 million reconstruction of one of Logan's busiest airline terminals requires close coordination with the entire project team. Massport, project consulting firm Caminiti Consulting, Inc., and general contractor Skanska USA have worked adeptly with Mass Bay and other key subcontractors to ensure the project remains on track. Banks, has done an exemplary job in managing Mass Bay's skilled Local 103 workforce." Experience indeed has played a key role. Broderick is a 15-year employee of Mass Bay Electrical and Banks has been with the NECA firm for more than 25 years.

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