

## **Department of Port Control**

Ordinance No.: 744-18

Information Technology Services

### **EXECUTIVE SUMMARY**

The Department of Port Control requests authority to employ one or more professional consultants to replace the remaining obsolete fire alarm, fire suppression, sprinkler, and deluge electronic components and infrastructure at Cleveland Hopkins International Airport.

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#### **Background/Purpose:**

To provide labor and materials necessary to replace the remaining obsolete Fire Alarm, Fire Suppression, Sprinkler, and Deluge electronic components and infrastructure throughout the Main terminal building.

#### **Scope of Work:**

This legislation will allow the Department to enter into a professional services contract for labor and materials necessary to replace the end of life Fire Alarm, Fire Suppression, Sprinkler, and Deluge electronic components and infrastructure for the operation of the Department to remain in compliance with expected fire standards from state and local fire codes. Through other replacements in the terminal, we have managed to keep the systems operational with used parts and now nearly depleted of any useful parts to maintain the integrity of the required fire alarm systems. The majority of the facility is on a SimplexGrinnell 4100 fire alarm platform that began phasing out the TFX system in the mid 2000's. Buildings included in this project will be the main terminal building and concourse.

#### **Justification/Urgency:**

The fire protection systems used at Cleveland Hopkins International Airport provide for the safety of the traveling public, along with airport and tenant personnel. The TFX electronic fire alarm detection systems have been obsolete since 2013 and most devices are beyond the 25-30 year life cycle as they have already been through a round of Panel only updates. Replacing now will prevent lengthy and expensive fire watch situations in the event that one of these systems completely fail. The communication paths and detection capabilities are becoming so diminished that we risk not being notified in the event of a fire situation. This proactive step in providing adequate fire alarm protection will provide another several decades of service and protection to both life and property and reduce costly reactive repair situations. We are a self-monitored fire alarm facility and held to redundant alarm monitoring capabilities by having a fire alarm computer in OPS and ARFF. In order to monitor the TFX fire alarm panels aging TFX FireGraph computers are used. We have cannibalized 3 out of the former 5 total computers we had in service in order to maintain the 2 required computers for self-monitoring.

**Anticipated cost:**

The anticipated cost for this professional service is estimated to be \$2,100,000.00

**Schedule or Term of Contract:**

The Department is requesting a one-year contract with three one-year options to renew to complete a specified scope of work.

**Current Vendors/Contracts:** N/A**CSB Participation:**

Cleveland Small Business goal will be established and contractors will be required to make every effort to comply with the goals set by the City's Office of Equal Opportunity.