

Department of Port Control

Ordinance No.: 805-18

CHIA Operations

Executive Summary

The Department of Port Control requests authority to enter into one or more requirement contracts with Siemens Industry, Inc. for labor and materials necessary to maintain, repair and expand the existing Apogee building automation system, for the Division of Cleveland Hopkins International Airport, Department of Port Control, for a period of not to exceed two years, with two one-year options to renew, the first of which requires additional legislative authority.

Background/Purpose:

The Department of Port Control (“Department”) is requesting to enter into an agreement with Siemens Industry, Inc. – Building Technologies Division f/k/a Siemens Building Technologies, Inc. for a requirement contract of the necessary items of labor and materials necessary to maintain and repair the existing building automation system, which includes, but is not limited to, interior and exterior lighting systems, HVAC, boilers, chillers, cooling towers, pumps and air handlers, for the Division of Cleveland Hopkins International Airport (“CLE”), Department of Port Control.

Scope of Work:

If approved, this legislation will provide labor and materials necessary to maintain and repair the existing building automation system for the operation of the Department of Port Control.

Justification/Urgency:

CLE installed a Siemens *Insight* Building Automation System to provide HVAC control and alarming for mechanical equipment areas throughout CLE. The system has been systematically upgraded to maintain and integrate current technologies. Siemens Industry, Inc. – Building Technologies Division has maintained the system over the years.

There are approximately forty-three remote panels throughout CLE. All programming for controls and alarm management is local to each unit residing on the CLE network wiring, which allows graphical PC’s at central locations in the maintenance shops, for troubleshooting, command and control of these systems. System alarms are routed to printers at these PC’s. Select critical alarms are routed to interface panels on the fire alarm system for off-hours annunciation in the Operations Department.

As a function of *Insight*, several energy management activities are being executed. These activities include occupied and unoccupied lighting controls; the use of outside air to cool when possible; motion detection lighting controls and the economizing of air handlers. The chilled water plants have been reprogrammed with variable frequency

drives on the pumping systems which have reduced pumping demands. There are reset programs that trace outside air to keep the heating water loops as cool as possible to limit energy use and maintain comfort.

Anticipated Cost and Funding Source:

The anticipated cost for the service is estimated to be \$125,000.00 per year.

Schedule or Term of Contract:

Two (2) years with two (2) one-year options for renewal. The first of the one-year options to renew shall not be exercised without additional legislative authority.

Previous Contracts:

Siemens Industry, Inc. – Building Technologies Division.

CSB/MBE Participation:

The goal for this contract is 20% CSB/MBE/FBE sub-contractor participation. Siemens shall be expected to comply with the CSB/MBE/FBE goals established for this project.