

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST
FY26 SPRING ANNUAL TOWN MEETING**

Department: Plymouth Public Schools	Priority #:	4
Project Title and Description: PCIS Fire Alarm System Upgrade	Total Project Cost:	\$104,251.00

Department/Division Head: School Facilities - Matt Durkee

Check if project is: New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: _____

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
Planning and Design			FY23		
Labor and Materials	\$94,774.00		FY24		
Administration			FY25		
Land Acquisition			FY26		
Equipment			FY27		
Other					
Contingency	\$9,477.00				
Total Capital	\$104,251.00				

Project Justification and Objective: PCIS needs to upgrade their Fire Alarm System. This has been identified as an ongoing issue with the Plymouth Fire Dept.

Some classrooms cannot clearly hear alarms and commands. Strobes to be added with new Fire Alarm Panel. Ongoing repairs that do not correct the issues.

For Capital Project Requests:

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan

Yes ☐ No ☒

Can this project be phased over more than one fiscal year?

Yes ☐ No ☒

For Capital Equipment Requests:

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

What is the expected lifespan of this new/replacement equipment: _____

Attach backup information, estimates, or justification to support this request.



From

Davco Security Systems

4 Webb Place

Saugus MA 01906

800-227-1726

www.davcosystems.com

MA License 1215C

Quote No.**0003168**

Type

Installation

Prepared By

Scott Nixon

Created On

08/02/2024

Valid Until

11/01/2024

Quote For**Plymouth Public Schools**

Plymouth Community

Intermediate School (PCIS)

117 Long Pond Road

Plymouth MA 02360

5088304450

Description of Work

This fire alarm notification upgrade / installation proposal, is based upon the request of the facility management and a recent site visit by Davco Systems, Inc., to review the existing fire alarm conditions. **NOTE:** This plan has not been approved by the Plymouth FD, who may require additional devices or services. Any item or service that is not on this proposal, but will be required to complete this job, will be priced separately.

This proposal includes upgrading the existing FCI, addressable, specific duct smoke heads only and open are smoke heads to the new Velocity addressable protocol. The existing Clip Mode protocol, per the manufacture, will becoming to an end of life with manufacturing and no longer available. Due to the small number of these existing addressable smoke heads, it is recommended to perform this task earlier than later.

This proposal includes the upgrading of the existing, discontinued, base building horn/flasher notification devices, with new using the same locations, mounting heights, back box and wiring. This proposal includes the installation of specific new notification devices to assist with audible notification of alarm mode only. All new added notification devices will be ceiling mounted and white in color. Due to the size of the building, and base building fire alarm system capacity, there is not sufficient notification circuit capacity to handle the newly added alarm mode only requirement. Therefore, in each wing, a new UL, listed and compatible, remote notification booster power supply set-up will be installed. These new remote booster panels will ensure the new alarm mode only power requirement and code required synchronization. These new remote booster panels will also provide expansion capability for the future, if required. For the these new remote notification booster power supply set-ups, these locations will be coordinated with the facility management. The facility management is responsible for providing each new booster power set-up a new, dedicated, 20amp breaker service and associated wiring. All of the wing specific newly added notification devices will be installed on a new notification circuit from the new power supply location. Building notification synchronization will not exist, until the overall upgrade / installation work is completed.

DISCLAIMER: This proposal is valid for 30 days. This proposal assumes that the existing field notification wiring is in proper working order. Should any deficiencies be found, ie: splices, T-taps, grounds, shorts, etc, they will be brought to the attention of the facility management. Should technical support be required to clear these deficiencies, the cost for these services will be billed in addition to the quotation price and billed on a Time and Material basis. Written Acknowledgement and acceptance is required prior to providing these services. All upgrade / installation work is to be performed during normal business hours, Monday - Friday only, 07:00AM - 04:00PM. This upgrade / installation work will require the building notification devices to be activated for a brief time. Any fire alarm notification activation, will be coordinated with the facility management, due to the occupancy. For areas that require a use of a lift, due to height locations, the facility management will provide such lift. Any patching and or painting, is the responsibility of the facility management, if required. **NOTE:** for locations where a drop ceiling tile grid system does not existing, Davco Systems, Inc. will coordinate with the facility management for either wall or ceiling mounting. This upgrade / installation work will be performed (X1,) wing at a time. **BILLING**

REQUIREMENTS: Deposit of 50% is due upon acceptance of this proposal, the remaining 50% balance is due 15 days from substantial completion.

This proposal includes: Submittals, electrical for fire alarm and fire alarm permits with the town of Plymouth, equipment, upgrade / installation, system programming, documented pre-testing and acceptance testing with ISD and PFD to close out open Davco Systems, Inc., permits, at prevailing wage rates. This proposal does not include tax. **NOTE:** It is to be made known that during this work, at no

time, will the building fire alarm notification system be left out of service.

NOTE: Should the PFD, require current base building fire alarm prints, during the permitting process, these will be be priced separately and are not included in this proposal.

Services to be completed

Fire Alarm

Existing base building fire alarm notification device upgrades.

Item	Qty	Amt
Fees		\$2,010.00
Electrical Permit	1	
Fire Alarm Permit	1	
Freight Charge	1	
Labor		\$61,544.00
Engineering	8	
Fire Alarm Labor	144	
Fire Alarm Labor Tech 2	144	
Labor - Programming	15	
Fire Alarm Pretest	15	
Fire Department Acceptance Test	18	
Materials		\$5,062.50
Misc Equipment	1	
Parts		\$26,156.99
14-02 UNS SOL FPLP Red Jkt	20	
16-02 UNS SOL FPLP Red Jkt	10	
10.0 AMPS, 120VAC, REMOTE POWER SUPPLY, RED.	5	
OPTIONAL CLASS A OUTPUT CONVERTER MODULE.	5	
SPACEAGE Hybrid Surge Prot	5	
Addressable monitor module, Class âAâ	5	
UltraTech IM-1280F1 12V, 8.0 Ah SLA Battery, F1 Terminal	10	
Analog photoelectronic sensor, Velociti only, bright white color	6	
6" FLANGED MOUNTING BASE, WHITE	6	
REMOTE ANNUNCIATOR, 7MA, 3.1-32 VDC FOR DUCT & BEAM DETECTORS	5	
Universal Wall Trim Ring, Red 5 pk	7	
GRAND TOTAL		\$94,773.49

Item	Qty	Amt
LED HORN STROBE; WALL, RED; FIRE; 2-WIRE	35	
LED HORN STROBE; CEILING; WHITE; FIRE; 2-WIRE	36	
LED STROBE; CEILING; WHITE; FIRE; 2-WIRE	40	
LED STROBE; WALL; RED; FIRE; 2-WIRE	4	
Analog photoelectronic sensor, remote test capable, Velociti only, bright white color	27	
GRAND TOTAL		\$94,773.49

By my signature below, I authorize work to begin and agree to pay the Grand Total.

Name: _____ Date: _____

Signature: _____