

**HENRY FORD COLLEGE
OFFICE OF THE PRESIDENT**

BID AWARD

SUBJECT: Physics Laboratory Equipment
Sealed Bid #22667

The faculty of the Physics department request a contract for the purchase of eight (8) Pasco E/M Apparatuses. An e/m apparatus is a device that demonstrates the effects that electric and magnetic fields have on a moving charged particle. The apparatus allows students to clearly observe the effects of electric and magnetic fields on an electron beam. The experimental system produces a current made of electrons in a helium-filled tube to illuminate the beam. It also provides a simple method for measuring e/m, the charge to mass ratio of the electron. The charge to mass ratio of an electron is a fundamental physical constant of the universe. The e/m apparatuses will be used by all students taking PHYS-132 and PHYS-232 classes.

The College solicited proposals under Sealed Bid #22667. The responses appear below.

Pasco Scientific	\$37,769.24
Arbor Scientific	Disqualified
Fisher Scientific	Disqualified
Carolina Biological Supply	No Reply
Flinn Scientific	No Reply
Thomas Scientific	No Reply
VWR International	No Reply

Arbor Scientific and Fisher Scientific both quoted an e/m apparatus manufactured by ScienceFirst. The HFC faculty have experience with both models and find the Pasco model superior to the ScienceFirst apparatus. Advantages of the Pasco model include significantly higher quality and more consistent results. The Pasco model also includes two power supplies compared to the ScienceFirst apparatus with only one. With multiple power supplies, instructors can use the apparatus in more experiments which adds value to the classroom experience.

The Technology Investment Fund (TIF) provides 100% of the funds for this purchase.

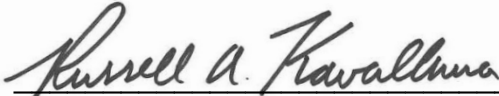
RECOMMENDATION:

The College administration recommends a contract award to Pasco Scientific for

\$37,769.24 for the purchase of eight (8) Pasco E/M Apparatuses, in accordance with the specifications of Sealed Bid #22667.



John S. Satkowski, JD
Vice President of Financial Services



Russell A. Kavalhuna, JD
President

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CONTRACT AWARD

SUBJECT: Building L Elevator Modernization Project

The Director of Facility Services requests a contract for the labor, materials, equipment, and services necessary to repair and modernize the two (2) passenger elevators in the Andrew A. Mazzara Administrative Services and Conference Center (Building L). These elevators have components that date to the building's construction in the mid-1980s. They require frequent repairs and replacement parts are often difficult to obtain, have extended lead times or require special fabrication. In order to improve reliability, performance, and service, the project scope requires the contractor to upgrade machine room equipment, fixtures, doors, hoistway and pit equipment, and wiring for each of the two elevators. The contractor will also update the elevators' safety systems to meet current building and fire codes. The work shall be performed in a sequential order so that at least one elevator is always available for the public's use.

The College's provider of elevator maintenance and repair services, Otis Elevator Company, submitted a proposal that totaled \$521,181 for the modernization of the two elevators. Otis Elevator based its pricing on a contract with OMNIA Partners, Public Sector, a group purchasing organization used by the College. Both the State of Michigan (Act 451 of 1976, Sec.1274.3) and the Board (Administrative Guideline 6320, Paragraph H) encourage the use of cooperative and/or group purchasing agreements.

RECOMMENDATION:

The College administration recommends a contract award to Otis Elevator Company for \$521,181.00 for the Building L Elevator Modernization project requested by Facility Services, in accordance with the Otis Elevator Proposal #KDS12092022 dated April 19, 2023.



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CONTRACT AWARD

SUBJECT: Fire Alarm System for Building L

The Director of Facility Services requests a contract for the labor, materials, equipment, and services necessary to replace the fire alarm system in the Andrew A. Mazzara Administrative Services and Conference Center (Building L). The existing system is old, past end of useful life, and does not meet current fire codes. The project includes:

- replacing (19) existing pull stations, (22) existing smoke detectors and (8) existing duct smoke detectors with new addressable devices;
- lowering some of the existing pull stations in order to meet code;
- removing existing 1st floor heat detectors and zone wiring and some existing pull stations which are not required to meet code;
- adding monitor modules to pick-up a waterflow and tamper switches not currently wired to the Fire Alarm System;
- removing existing notification devices that do not meet code and installing and wiring all new synchronized notification devices;
- adding a weatherproof horn/strobe at the existing Fire Department Connection;
- adding a new remote LCD annunciator at the Main Lobby required by code; and
- replacing the existing fire alarm panel with a new Simplex 4100ES Fire Alarm Control Panel.

Starting with the fire alarm system installed in Building I (Child Development Center) that the Board approved in August 2018, the College began transitioning its fire protection systems to those produced and supported by SimplexGrinnel. SimplexGrinnel is part of Johnson Controls Fire Protection LP, which is a division of Johnson Controls, Inc. As such, these fire alarm systems integrate seamlessly with the Johnson Controls Metasys building control system used throughout the campus. This integrated solution helps reduce risk in case of fire – the Metasys system can automatically detect smoke in air ducts, send an alarm, and change airflow to prevent smoke from spreading through the building. The College requests Board approval for a sole source award.

RECOMMENDATION:

The College administration recommends a contract award to Johnson Controls Fire Protection LP for \$134,658.00 for the purchase and installation of a new Fire Alarm System in Building L, in accordance with Proposal #650425538 dated June 23, 2023.

John S. Satkowski

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CONTRACT AWARD

SUBJECT: Change Order – Blanket Purchase Order Approval, Fiscal Year 2024

Board policy requires the approval of blanket purchase orders at the beginning of each fiscal year. Blanket purchase orders with a dollar amount in excess of \$15,995 require a separate listing for Board approval, in accordance with Administrative Guideline #6320A. At the Board meeting on June 12, 2023, the Board approved a list of College blanket purchase orders for fiscal year 2024.

The Director of Network and IT Infrastructure requests Board approval to add a blanket purchase order to the approved list. Currently, the College maintains its email archives on campus with four physical servers and three virtual servers. Due to age and obsolescence, the College must soon replace its existing servers and add another server to meet growing storage requirements. Rather than purchase and maintain five servers, the College can reduce costs and free up resources by moving its email archives from on-site, physical servers to a virtual, cloud-based system.

The College requests Board approval to issue a blanket purchase order to IPRO Tech, LLC for a web hosting subscription for email archives that includes 16TB (terabytes) of storage and associated support services. The subscription fee totals \$40,800.00 based on a three-year agreement.

RECOMMENDATION:

The College administration recommends approval of a Blanket Purchase Order to IPRO Tech, LLC for \$40,800.00, in accordance with Board Policy and Guidelines.



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