



Office of the City Manager

CONSENT CALENDAR
September 29, 2022

To: Honorable Mayor and Members of the City Council
 From: Dee Williams-Ridley, City Manager
 Submitted by: David Sprague, Interim Fire Chief
 Subject: Contract: Gaumard Scientific Company, Inc. for High Fidelity Training Equipment

RECOMMENDATION

Adopt a Resolution authorizing the City Manager to issue purchase orders with Gaumard Scientific Company, Inc., using the General Services Agency's (GSA) Contract No. 47QSEA21D002V, for high fidelity training equipment in an amount not to exceed \$375,000 through June 30, 2024.

FISCAL IMPACTS OF RECOMMENDATION

One-time funding for this project is available in the FY23 Fire Department in Budget Code: 164-72-742-837-0000-000-423-612990 (Measure FF).

CURRENT SITUATION AND ITS EFFECTS

As part of the fire department's transition to staffing ambulances with non-firefighter paramedics and Emergency Medical Technicians (EMTs), staff is building a new hire academy curriculum (Paramedic: Approx. 8 Weeks, EMT: Approx. 4 Weeks). In order to reduce the staff time necessary for each academy and improve the quality of training, the Department is improving our ability to delivery realistic, scenario based training using high-fidelity (patient) simulators.

This simulator will mimic the physiological conditions of a patient such as blood pressure, bleeding, EKG, blood oxygen level, exhaled CO2, and lung sounds. Interventions can also be performed on the simulators such as placement of breathing tubes, IVs, tourniquets, IOs (bone IV), and plural decompression (placing a needle in the chest to help with breathing). This purchase will include 3 adult, 1 child, 1 pediatric simulator, service plans for each unit, and training on their use. The anticipated service life of the simulators is between 5-7 years.

Supporting the transition to non-firefighter ambulances is a Strategic Plan Priority Project, advancing our goals to provide an efficient and financially-healthy City government, create a resilient, safe, connected, and prepared city, be a customer-focused organization that provides excellent, timely, easily-accessible service and information to the community, and attract and retain a talented and diverse City government workforce.

BACKGROUND

The training simulators produced by Gaumard Scientific meet the needs of the fire department. The Gaumard simulator allows training to occur utilizing department issued diagnostic tools including stethoscopes, blood pressure cuffs, intravenous medications, and cardiac monitors which helps to improve the realism of training.

ENVIRONMENTAL SUSTAINABILITY AND CLIMATE IMPACTS

This equipment will reduce the number of instructors who will need to commute to the city each day to support the new hire academy, keeping the carbon footprint of the academy as small as possible.

RATIONALE FOR RECOMMENDATION

High-fidelity training equipment helps leverage existing City staff in a time when staff time is at a premium. The equipment also provides a realistic training environment for students who can interact with this equipment using their normal diagnostic equipment and then perform treatments that would not otherwise be possible including: administering intravenous access, medications, defibrillation and other electrical therapy for the heart, and inserting advanced airways.

Gaumard Scientific was selected through the competitive selection process from General Services Agency's (GSA) Contract No. 47QSEA21D002V.

ALTERNATIVE ACTIONS CONSIDERED

Increase the number of staff assigned to the academy which will have impacts to overtime and use older training equipment that is in need of replacement and does not provide the same level of realism.

CONTACT PERSON

David McPartland, EMS Assistant Fire Chief, (510) 981-5595
David Sprague, Interim Fire Chief, Fire Department, (510) 981-3473

Attachments:
1: Resolution

RESOLUTION NO. ##,###-N.S.

CONTRACT: GAUMARD SCIENTIFIC COMPANY, INC. FOR HIGH FIDELITY
TRAINING EQUIPMENT

WHEREAS, as part of the Fire Department's transition to staffing ambulances with non-firefighter paramedics and Emergency Medical Technicians (EMTs), staff is building a new hire academy curriculum (Paramedic: Approx. 8 Weeks, EMT: Approx. 4 Weeks); and

WHEREAS, in order to reduce the staff time necessary for each academy and improve the quality of training, the Department is improving our ability to delivery realistic, scenario based, training using high-fidelity (patient) simulators; and

WHEREAS, the training simulators produced by Gaumard Scientific Company, Inc. meet the needs of the fire department; and

WHEREAS, the Gaumard simulator allows training to occur utilizing department issued diagnostic tools including stethoscopes, blood pressure cuffs, intravenous medications, and cardiac monitors which helps to improve the realism of training; and

WHEREAS, Gaumard Scientific Company, Inc. was selected through the competitive selection process from General Services Agency's (GSA) Contract No. 47QSEA21D002V; and

WHEREAS, funds are available in the FY23 Fire Department in Budget Code: 164-72-742-837-0000-000-423-612990-(Measure FF).

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is authorized to issue purchase orders with Gaumard Scientific Company, Inc., using the General Services Agency's (GSA) Contract No. 47QSEA21D002V, for high fidelity training equipment in an amount not to exceed \$375,000 through June 30, 2024.

