

Agenda Item: 2.d

Meeting Date: November 6, 2025

MEMORANDUM

To: City Commission

Through: Jennifer K. Bramley, City Manager

From: Theresa Smalling

Date: 2025-10-27

Subject: Purchase of an anti-vehicle barrier system to increase public safety during special events in the amount of \$137,956.

Presenter(s): Theresa Smalling, Human Resources & Risk Management Director

Staff Recommendation: Commission approval to purchase the MVB3X anti-vehicle barrier system in the amount of \$137,956, and designate it as a "sole source" for the City's continued use.

Strategic Themes: City Services; Good Governance

Boards & Committees: N/A

Budget Impact: Funded through the Public Safety Mitigation Project, Account Number 117-2110-521-056401-ZZ as follows:
Law Enforcement Impact Fee Fund - \$80,000
Risk Safety Fund - \$57,956

Past Action: N/A

Next Action: N/A

Attachments: [A. Price Quotation - 48-Unit MVB3X Fully Loaded Trailer System 10 21 25.pdf](#)
[B. PA Memo Barriers memo FINAL.pdf](#)

Background: The City of Dunedin seeks to procure and deploy the Modular Vehicle Barrier 3X System (MVB3X) Trailer System, an anti-vehicle barrier system, in the interest of increasing public safety during special events. The system provides critical security capabilities needed for public events to prevent vehicles from penetrating areas that are closed to vehicles for special events. The anti-vehicle barrier system will be deployed primarily in the downtown area but may also be used in other areas. Anti-vehicle barriers are currently used to manage traffic flow and create

secure perimeters for public events, including concerts, and festivals. They are used to create pedestrian zones, separating foot traffic from vehicle traffic and preventing accidents. Barriers can also be used to guide traffic and prevent congestion in busy areas, improving overall traffic flow and safety. Their ability to deter potential threats and manage traffic flow further contributes to a safer and more secure public environment. The presence of anti-vehicle barriers sends a clear message that a location is secured and deters potential attackers or individuals with malicious intent. They can have a psychological impact, making people feel safer and more secure in public spaces.

Currently, for special events in the downtown area, the City uses a combination of City and Pinellas County Sheriff's Office (PCSO) vehicles, as well as Meridian anti-vehicle barriers owned by the City and the PCSO for risk mitigation. In 2023, the city used AARP funds to purchase Meridian Barrier system. Additional anti-vehicle barriers are needed to further ensure public safety, thereby decreasing the need to use vehicles as barriers. The MVB3X system was presented to Staff in August as a less expensive, more versatile anti-vehicle system. Superior features include easy storage and transportation; the system also allows one person to move an entire lane of barriers without special equipment.

Under the city's Public Safety Mitigation Project, the City will use the proceeds from the law enforcement impact fee proceeds for the initial purchase of the 48 MVB3X Barrier system, including a trailer to store and transport the barriers and all necessary supporting equipment. The current balance is \$80,000; the remainder will be funded by the city's Risk-Safety Fund. Advanced Security Technologies LLC is the selected vendor and is identified as a sole source vendor, similar to other government entities that have purchased the system. Exhibit A shows the quote for the MVB3X Barrier System; Exhibit B is a memorandum from Purchasing. Staff recommends Commission approval to purchase the MVB3X anti-vehicle barrier system in the amount of \$137,956, and designate it as a "sole source" for the City's continued use.