



## CITY OF BANNING STAFF REPORT

**TO:** CITY COUNCIL

**FROM:** Douglas Schulze, City Manager

**PREPARED BY:** Brandon Smith, Lieutenant  
Derek Thesier, Acting Chief of Police

**MEETING DATE:** June 11, 2024

**SUBJECT:** Consideration of Resolution 2024-79, Approving the Purchase of 908 Devices Inc. MX908 Handheld High-Pressure Mass Spectrometer (HPMS)

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### **RECOMMENDATION:**

Adopt Resolution 2024-79.

### **BACKGROUND:**

The Banning Police Department strives to provide a safe community for all residents and visitors to the City of Banning, while protecting the safety of department staff. Part of that involves the investigation and enforcement of illegal drugs and suspicious/unknown substances. Currently the Banning Police Department does not have a safe way to field test narcotics, including fentanyl. Allowing the purchase of a 908 Devices MX908 Multi-Threat Detection Handheld High Pressure Mass Spectrometer will allow for safe field testing of unknown substances at trace levels, while reducing the officer's risk of exposure to possible fentanyl, chemical weapons, or other dangerous substances.

### **JUSTIFICATION:**

To assist in the mission of the Banning Police Department, there are available tools and equipment that can increase our probability of success and allow us a safer venue to not only our officers, but for the public. This is especially serious when it pertains to analysis and testing of fentanyl and possible explosive material and chemical weapons. One of these tools is the MX908 Multi-Threat Detection Handheld High Pressure Mass Spectrometer (HPMS) made by 908 Devices.

The dramatic increase of fentanyl being encountered by law enforcement personnel in the past two years has increased the threat of exposure and devastating results. The MX908 HPMS uses trace sampling swabs for reliable field-testing analysis, while reducing the risk of exposure to the officer. The device leverages high-pressure mass spectrometry to deliver dramatically enhanced sensitivity and broader threat category coverage not seen in any other detection device. This is second generation technology that increases mission support with unmatched flexibility and trace detection power for responders in narcotics, explosives, chemicals, and hazmat investigations.

The MX908 can detect trace levels of vapors, solids, and liquids. Detection of trace amounts will also increase the safety of the operator. Not having to get a large sample will lessen the likelihood of exposure. This is paramount when dealing with possible fentanyl or other synthetic opioids which can kill with extremely small doses. The MX908 can detect over 2000 fentanyl analogs, far exceeding other detection devices on the market. This device is also designed to be portable and rugged enough to be used in harsh environments.

908 Devices Inc. is the sole manufacturer and sole service provider of MX908 Handheld High Pressure Mass Spectrometer (HPMS™), the ONLY available handheld HPMS system, as well as all MX908 accessories, including but not limited to the Aero Module and Beacon Area Monitoring solution. Additionally, 908 Devices Inc. is the ONLY authorized point of service, support, and maintenance for these systems, including certified training, warranty, repair, upgrades and technical support and has been determined to be a sole source purchase.

MX908 is the only available handheld HPMS (high pressure mass spec) on the market for use in public safety. MX908 utilizes patented technology. List of patents available as needed.

**FISCAL IMPACT:**

Revenue has been provided by the Community Corrections Partnership Executive Committee in the amount of \$238,150 in Fiscal Year 2023/24. Reimbursement for Post-Release Accountability Compliance Team (PACT) equipment as needed for the assigned officer has been approved in the amount of \$81,926.33. An additional appropriation request in the amount of \$81,926.33 in the Fiscal Year 2023/24 account 001-2200-421.90.56 will be used to purchase the MX908 handheld device.

The City Council authorizes the City Manager, or designee, to make necessary budget adjustments, appropriations, and transfers related to this resolution.

**ALTERNATIVES:**

1. Adopt Resolution 2024-79 as recommended.
2. Do not approve Resolution 2024-79 and provide alternative direction to staff. The City Council may choose to reject this action which would result in unused PACT funds already awarded to the City of Banning going unused.