



AGENDA MEMORANDUM

Action Item for the City Council Meeting September 12, 2023

DATE: September 12, 2023

TO: Peter Zanoni, City Manager

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| <p align="center">EZ-IO Needles Emergency Medical Services Supply Agreement for the Corpus Christi Fire Department</p> |
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CAPTION:

Resolution authorizing execution of a three-year supply agreement with Teleflex, LLC., of Morrisville, North Carolina, for the purchase of EZ-IO needles and drills for intraosseous infusion used by the Corpus Christi Fire Department's emergency medical services paramedics for a total amount not to exceed \$196,357.20, with FY 2024 funding available through the General Fund.

SUMMARY:

This resolution authorizes a three-year supply agreement with Teleflex, LLC. for EZ-IO needles and drills for the Corpus Christi Fire Department's (CCFD) to be used for emergency medical services (EMS) paramedics. The EZ-IO needles and drills are necessary to obtain intraosseous vascular access for EMS paramedics to rapidly administer life-saving medications during emergency responses.

BACKGROUND AND FINDINGS:

The Arrow EZ-IO System is backed by more than 15 years of clinical research and proven success. This technology system provides immediate access via the intraosseous route for difficult vascular access cases that are emergent, urgent, or medically necessary, such as cardiac, shock, respiratory, and neurologic cases. CCFD's EMS paramedics are trained to use this system when traditional IV's are not an option. CCFD has been using Teleflex's Arrow EZ-IO System for the past four years.

The EZ-IO System provides a fast and effective solution for patients with difficult vascular access. The system works by using patented needles and drills used for rapid vascular access in emergency situations when vein access is unobtainable. The needles are drilled into the humerus or tibia bone and used as first line access in cardiac arrest patients. This process is used by EMS paramedics when patients do not have good access to veins, such as happens with cardiac arrest and traumatic arrest. When a patient's heart is not beating and the patient is not perfusing well, veins are difficult to access. Because of this, time is wasted attempting vein access via other means. The EZ-IO's needles and drills

allow EMS paramedics to begin treatment with fluids and medications by gaining vascular access much quicker, efficiently, and safely.

The EZ-IO needles are designed to be safe and easy to use with minimal risk to the patient or provider. The EZ-IO needles can be used in a variety of situations, including pediatric and adult patients, and can be inserted into multiple sites in the body.

Overall, EZ-IO needles provide a fast, reliable, and safe way to establish access in emergency situations, which is why it is preferred and recommended over other types of needles. Non-EZ-IO needles do achieve vascular access via interosseous space; however, they are not as efficient and safe for patients in emergency situations. The control and high first pass success rates of the EZ-IO needles make them the preferred and recommended.

The previous agreement was also with Teleflex, LLC. for three years. The agreement was for a total price of \$193,839.80. CCFD is highly satisfied with Teleflex, LLC.'s products and services. CCFD highly recommends the proposed agreement with Teleflex, LLC. The previous agreement expired in May; however, CCFD has had enough needles and drills to carry them through the end of the year.

The proposed agreement will provide CCFD with 1,350 needles and 30 drills over the three-year period.

PROCUREMENT DETAIL:

This is a sole source purchase. Teleflex, LLC. is the sole manufacturer and distributor for EZ-IO stabilizing needles. CCFD has been using Teleflex's Arrow EZ-IO System for the past four years. The Arrow EZ-IO System is backed by more than 15 years of clinical research and proven success. The EZ-IO System provides a fast and effective solution for patients with difficult vascular access. The system works by using patented needles and drills used for rapid vascular access in emergency situations when vein access is unobtainable. This technology system provides immediate access via the intraosseous route for DVA cases that are emergent, urgent, or medically necessary, such as cardiac, shock, respiratory, and neurologic cases. CCFD's EMS paramedics are trained to use this system when traditional IV's are not an option.

Although costs of medical supplies have risen since the pandemic, Teleflex, LLC. costs have only increased by 1.2%, or \$2,517.40, for the same quantities from the previous agreement with them.

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ALTERNATIVES:

The alternative to purchasing these products is to use manual drills, which take a significantly longer time to drill into the patient's bone marrow increasing the chance of further injury or death. The Teleflex Arrow EZ-IO needles and drills are essential for emergency medical service.

FISCAL IMPACT:

There is no fiscal impact for FY 2023. The first-year agreement will impact Fiscal Year 2024 in the amount of \$65,452.40. The remaining cost of \$130,904.80 for the three-year agreement will be budgeted in future years through the annual budget process.

FUNDING DETAIL:

Fund: 1020 General Fund

Organization/Activity: 35100 City Ambulance Operations
Mission Element: 093 Respond to Emergency Calls
Project # (CIP Only): N/A
Account: 520030 Chemicals/Household supplies

RECOMMENDATION:

Staff recommends approval of this resolution authorizing a three-year supply agreement for the purchase of EZ-IO needles and drills with Teleflex, LLC. of Morrisville, North Carolina, as presented.

LIST OF SUPPORTING DOCUMENTS:

Supply Agreement
Price Sheet
Resolution