City Council Report

Date: July 11, 2016

To: City Council

Through: Alex Deshuk, Chief Innovation Officer

From: Edward Quedens, MPA, C.P.M., CPPO, Business Services Director
Matt Bauer, MBA, CPPO, CPPB, CPSM, Procurement Administrator

Subject: Purchase of CAD Data Analysis Software for the Fire and Medical Department (Funded by Center for Medicare and Medicaid Services - CMS Grant) **(Citywide)**

Purpose and Recommendation

Council is requested to approve the Purchase of CAD Data Analysis Software as recommended.

The Fire and Medical Department and Purchasing recommend authorizing purchase from the sole source vendor, Deccan International at $323,318.69; using the State of Arizona cooperative contract with Dell Computers at $5,496.64; and project contingency at $65,763.07. The combined total award is $394,578.40.

Background / Discussion

This purchase of the Deccan's CAD Analyst/ADAM 2.0 and LiveMUM 2.0 products along with Dell workstations and monitors is required to meet MFMD's strategic planning and real-time coverage needs as follows:

MFMD Strategic Deployment Needs:

MFMD responds to fire and related emergencies as well as medical emergencies. In fact, 80% of its incidents are medical. As a result, MFMD is exploring innovative ways to most effectively use its resources in a manner that can handle the medical workloads while at the same time have enough availability to promptly respond to emergencies. For this, MFMD is exploring approaches for addressing many challenges, including, among others:

- Where should future fire stations be located for addressing changing population patterns?
- Which stations are the best ones for housing ladder trucks?
- What are the workload and response time savings for engines when Transitional Response Vehicles are dispatched to non-emergency medical calls?

This scientific, industry-vetted software solution will meet and support MFMD's long-term strategic planning decisions.

<u>Tactical Deployment Needs:</u>

Even when the fire apparatuses are located in the most strategic manner, because incidents occur at random times in random locations, many times the Department finds itself with sudden glaring holes in coverage. As a result, units need to be "moved up" (temporarily repositioned); borrowing from one area to lend to another so that the coverage gaps are addressed and no area is left exposed for any significant period of time. MFMD needs a scientific, industry-vetted software solution to support its real-time coverage and deployment decisions.

In order for MFMD to address both of the above strategic deployment and real time repositioning needs, it needs the best decision support technology available. Deccan International is uniquely positioned to support MFMD on both of the above mentioned technology needs.

Deccan is the sole source vendor and to MFMD's knowledge after an exhaustive search there are no other comprehensive software solutions available to meet this need. The product Integrates with Intergraph (Mesa's current CAD solution) and designed specifically for fire and medical services. The live move up module (LiveMUM) is a system module that works with DECCAN's CAD Analyst and therefore cannot function as a standalone program. The LiveMUM is live time data analysis proprietary to DECCAN and no other product that provides this type of service was found. Deccan supports significantly more metro Fire Departments than any other vendor, with roughly 50% of major North American metro departments, and a total of 300 client application installations.

Alternatives

Council may choose not to authorize purchase.

Fiscal Impact

The project is fully funded five years from the Department of Health and Human Services, Centers for Medicare and Medicaid Services, Grant Number 1C1CMS331318-01-00.

Coordinated With

Information Technology Department
Fire and Medical Department
Engineering Department
Purchasing

PURCHASING INFORMATION I

Action: Award
Procurement Type: Competition Exemption (Sole Source)
Mesa Contract Number: 2016237

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AWARD RECOMMENDATION
Deccan International
San Diego, CA

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Description

CAD Analyst and ADAM 2.0 Applications including Options; and Maintenance Cost for Year 1 at $29,841.00 per Contract No. 2016237; and Quote 20160616-CA-T (Installation, UGC, Auto Data Updater, Optimizer, Scenario Comparison, Options and Year 1 Maintenance, pricing for up to 38 stations)

Base	$179,045.00
Estimated Sales Tax	$10,026.52
Sub Total	$189,071.52

Future Maintenance Cost: Year 2 at $30,736.00; Year 3 at $31,658.00; Year 4 at $32,608.00; and Year 5 at $33,586.00.

LiveMUM 2.0; and Maintenance Cost for Year 1 at $21,188.00 per Contract No. 2016237; and Quote 20160616-LM2-T (LiveMUM 2.0, LiveMUM Server and Options and Year 1 Maintenance, pricing for up to 38 stations)

Base	$127,128.00
Estimated Sales Tax	$7,119.17
Sub Total	$134,247.17
Total Award	**$323,318.69**

Future Maintenance Cost: Year 2 at $21,824.00; Year 3 at $22,478.00; Year 4 at $23,153.00; and Year 5 at $23,847.00.

PURCHASING INFORMATION II
Action: Award
Procurement Type: Cooperative Contract
Contracting Agency: State of Arizona
Contracting Agency: #ADSPO16-098163
Mesa Contract Number: 2016237

AWARD RECOMMENDATION
Dell Computers

Description
Quantity 3 - Dell UltraHarp 24 InfinityEdge Monitor with Arm at <u>$335.39/each</u> (eQuote 1012416157042); and Quantity 3 – Dell OptiPlex 7040 Mini Towers at <u>$1,371.36/each</u> (eQuote 1021603382008); per Contract No. 2016237 and State of Arizona Contract #ADSPO16-098163

Base	$5,120.25
Estimated Sales Tax	<u>$376.39</u>
Dell Total	**$5,496.64**

For incidental items that may be needed during the installation and implementation of the technology equipment	
Estimated Project Contingency (20%)	**$65,763.07**

Combined Total Award	**<u>$394,578.40</u>**