

## Request for Legislative Action

Res. #21437

Sponsor: Sean E. Smith

Date: October 16, 2023

### Completed by County Counselor's Office

Action Requested:	Resolution	Res.Ord No.:	21437
Sponsor(s):	Sean E. Smith	Legislature Meeting Date:	10/16/2023

### Introduction

**Action Items:** ['Authorize', 'Transfer']

**Project/Title:**

A Resolution authorizing the Director of Finance to issue a check to the City of Grandview in the amount of \$351,819.97 from available Jackson County 911 enhancement funds for the purpose of upgrading the Communications Center in the City of Grandview.

### Request Summary

This resolution requests approval for the Director of Finance to issue a check to the City of Grandview in the amount of \$351,819.97 from available County 911 enhancement funds for the purpose of funding technology improvements for the City of Grandview's new Communication Center. Through a recent voter approved bond initiative, the City of Grandview has committed to spending \$2.6 million to the renovation of the police facility. These upgrades and improvements include a complete physical remodel of the on-site Communication Center and server room. In addition to the funds dedicated to the physical remodel, we have identified several areas of technology upgrades that will allow us to be more efficient, contemporary and prepared for years to come. We believe the Jackson County 911 Tax would be an appropriate funding source for the technology upgrades needed in our PSAP.

Funding from 911 Enhancement funds would provide the following improvements to the new Communications Center:

- \* New Dispatch Consoles – (Xybix) - \$66,328.31 (includes installation)
- \* New Access Control (Kenton Brothers, Inc.) - Hardware and installation of \$4,098.43
- \* New Radio System Bidirectional Antenna and other system changes – \$101,548.80
- \* Closed Circuit Television (Cameras, servers, CPU's and monitors with installation) - \$44,924.80
- \* Computer Hardware (Hardware, Monitors, and switches) - \$63,582.63
- \* New Unified Power Supply - \$71,337.00

Total: \$351,819.97

A total of \$426,412 remains available in the 911 Enhancement Fund for the balance of 2023.

### Contact Information

<b>Department:</b>	County Executive Office	<b>Submitted Date:</b>	9/28/2023
<b>Name:</b>	Troy Schulte	<b>Email:</b>	TSchulte@jacksongov.org
<b>Title:</b>	County Administrator	<b>Phone:</b>	816-881-1079

## Request for Legislative Action

Budget Information			
Amount authorized by this legislation this fiscal year:			\$351,820
Amount previously authorized this fiscal year:			\$2,117,768
Total amount authorized after this legislative action:			\$2,469,588
Is it transferring fund?			Yes
Transferring Fund From:			
Fund:	Department:	Line Item Account:	Amount:
031 (E-911 System Fund)	5031 (Emergency 911 System)	56430 (Telephone Utility)	\$351,820
Transferring Fund To:			
Fund:	Department:	Line Item Account:	Amount:
031 (E-911 System Fund)	5031 (Emergency 911 System)	56070 (Intergovernmental Agreements)	\$351,820

Prior Legislation	
Prior Ordinances	
Ordinance:	Ordinance date:
Prior Resolution	
Resolution:	Resolution date:
21238	April 17, 2023
21326	July 10, 2023
21366	August 14, 2023
21410	October 2, 2023

Purchasing	
Does this RLA include the purchase or lease of supplies, materials, equipment or services?	No
Chapter 10 Justification:	
Core 4 Tax Clearance Completed:	
Certificate of Foreign Corporation Received:	
Have all required attachments been included in this RLA?	

Compliance
Certificate of Compliance
Not Applicable
Minority, Women and Veteran Owned Business Program

## Request for Legislative Action

Goals Not Applicable for following reason: Contract is with another government agency	
MBE:	.00%
WBE:	.00%
VBE:	.00%
<b>Prevailing Wage</b>	
Not Applicable	

<b>Fiscal Information</b>	
<ul style="list-style-type: none"><li>Funds sufficient for this appropriation and/or transfer are available from the source indicated on the budget information tab.</li></ul>	

## Request for Legislative Action

### History

Submitted by County Executive Office requestor: Troy Schulte on 9/28/2023. Comments: Request by Legislator Smith.

Approved by Department Approver Sylvya Stevenson on 9/29/2023 9:07:18 AM. Comments:

Not applicable by Purchasing Office Approver Barbara J. Casamento on 9/29/2023 11:03:43 AM. Comments:

Approved by Compliance Office Approver Ikeela Alford on 9/29/2023 11:29:52 AM. Comments:

Returned for more information by Budget Office Approver David B. Moyer on 10/2/2023 12:02:21 PM. Comments: Please round up to the nearest dollar in the budget tab.

Submitted by Requestor Troy Schulte on 10/2/2023 12:16:08 PM. Comments: Budget information rounded up to nearest whole dollar.

Approved by Department Approver Sylvya Stevenson on 10/2/2023 12:46:48 PM. Comments:

Not applicable by Purchasing Office Approver Barbara J. Casamento on 10/2/2023 3:54:59 PM. Comments:

Approved by Compliance Office Approver Ikeela Alford on 10/2/2023 3:59:15 PM. Comments:

Approved by Budget Office Approver David B. Moyer on 10/10/2023 10:27:38 AM. Comments:

Approved by Executive Office Approver Sylvya Stevenson on 10/10/2023 11:15:49 AM. Comments:

Approved by Counselor's Office Approver Jamesia Manning on 10/12/2023 12:04:05 PM. Comments:





The City of Grandview respectfully requests consideration for funding from Jackson County, Missouri for technology upgrades and replacement of critical hardware and 911 radio systems in our Public Safety Answering Point (PSAP). The Grandview Police Department receives 911 calls for a resident population of nearly 30,000, as well serving a high transient population traveling on I49 and other major arteries. Our Communication Center received over 19,000 emergency calls and over 35,000 non-emergency calls in 2022, which constitutes 1.25% of the call volume for the entire Mid America Regional Council PSAP region.

The last physical update to the Grandview Communication Center took place over twenty years ago in 2003. Since that time, the facility has suffered natural degradation and antiquation of certain technologies. Any interruption or loss of these critical systems would be detrimental to the overall public safety of our area. Through a recent voter approved bond initiative, the City of Grandview has committed to spending \$2.6 million to the renovation of the police facility. These upgrades and improvements include a complete physical remodel of the on-site Communication Center and server room. In addition to the funds dedicated to the physical remodel, we have identified several areas of technology upgrades that will allow us to be more efficient, contemporary and prepared for years to come. We believe the Jackson County 911 Tax would be an appropriate funding source for the technology upgrades needed in our PSAP. We respectfully request your consideration for the project funding in the amount of \$351,000, to ensure the continued efficient and timely service to the residents of Jackson County, Missouri

The dispatch consoles have long outlived their expected lifespan. The current consoles have no integrated cable management, lack sufficient ventilation for the thermal output of the current generation of PCs and electronics, and could stand to take advantage of advancements in ergonomics. Due to their age, all of them have broken or missing hardware.

Dispatch Consoles – (Xybix)

- Fully integrated work stations with climate control
- **\$66,328.31** (includes installation)

The access to the dispatch call center is protected by a mechanical cypher lock on the door that is beginning to wear out. While it meets the basic requirements of CJIS policy, the IT department believes that an electronic lock and badge reader would provide more reliable and less obtrusive means of entry for authorized personnel, as well as provide the additional benefit of logging access.

Access Control (Kenton Brothers, Inc.)

- Hardware – **(\$1,364.64)**
- Installation – **(\$2733.79)**

The Bidirectional Antenna is necessary for police radios to work within the facility. The walls are almost entirely cinderblock construction with almost no windows, and substantial concrete cladding. The police department is in the lowest level of the building. The materials used in construction of the facility are dense and significantly impair the penetration of the necessary radio frequencies into and out of the building. The current Bidirectional Antenna was considered end of life many years ago and the last technician that we could find that could work on that generation of equipment has retired.

Radio System (Commenco)

- Bidirectional Antenna – **(\$85,000.00)**

Currently, our dispatchers monitor the camera network for not only the exterior gates, but also the interior lobby and selected other locations such as city hall, DMV, ball fields, firing range, community center, etc. Most of these systems are accessed through different computers and software located in the call center, but not all monitors are visible to all positions, and not all cameras can be monitored at a time. Additionally, even with all these cameras there are still camera blind spots that are concerning to the dispatchers. Adding some additional cameras would help to eliminate blind spots, and connecting all the different cameras to a single system would enhance the dispatchers' ability to quickly and seamlessly view much more information. Of the different camera monitoring systems, we have used for the past few years, Milestone is not only the most user friendly, but also is excellent at exporting videos that can be used as evidence in court. Pulling all the IP cameras from the divergent locations around the city into our network and connecting them all to Milestone would require several new switches and a new server to load Milestone onto, as well as a server that can back up the data on the proposed server for disaster recovery. These 2 servers would have to have substantial storage capacity as video consumes storage more than almost any other type of data does.

#### CCTV

- Cameras – 7 (Kenton Brothers, Inc. - **\$6,737.71**)
- Installation – (Kenton Brothers, Inc. - **\$9568.25**)
- Servers – 2 (Stallard Technologies, Inc. - **\$15,316.00**)
- CPUs – 6 (Dell - **\$8,412.90**)
- Monitors – 6 (Dell - **\$4,889.94**)

Dispatch computer workstations have not been replaced since 2015. These workstations tend to be more powerful than average workstations as they are counted on for 24/7/365 operation with far more applications running concurrently than is asked of most typical desktop computers, so they're expensive. Given their cost, we tend to press them into service for longer than their expected lifespan. Right now, these 3 computers are still pulling the load having been upgraded to Windows 10, but they literally could catastrophically fail at any time given their age. Repair is not likely as there aren't a lot of spare parts for computers that were made almost a decade ago. Additionally, these workstations are already running with so many open windows that the dispatchers are requesting additional monitors to move some of the windows to so the information can be accessed with a glance rather than locating it buried under other windows of information.


#### Computer Hardware

- CPUs – 3 (Dell - **\$38,235.87**)
- Monitors – 24 (Dell - **\$18,959.76**)
- Switches – 14 (Stallard Technologies, Inc. - **\$6,387.00**)

The renovations taking place in the dispatch center will necessitate moving the radio system infrastructure completely to place it into a more secure location within the center as well as to de-conflict all the hardware from multiple years of old hardware that is no longer used. Additionally, the radio system will be grounded to current recommended specification which the old system is not currently. This upgrade will help protect the critical infrastructure of the dispatch center and emergency radio system.

#### Radio System (Commenco)

- Labor, Installation, and Grounding – (**\$16,548.80**)



The battery backup systems, while functional, take up a surprising amount of space inside the dispatchers' desks with their sheer bulk and the bulk of all the cabling. Moving to a single battery backup for the room would provide numerous benefits such as ease of maintenance, ease of access, greatly reduced complexity, cable management, reliability, and greater capacity. Keeping power to all the critical systems of the dispatchers is imperative, and this upgrade would ensure smoother transitions to backup generator. As the generator is a mechanical system and pretty reliable, sometimes right after it kicks on, it kicks back off again and that has tripped up some of the 9 individual UPS devices that currently keep the radios, phone lines, and computers going so that dispatchers can continue providing emergency services during power outages. This system would also provide reserve power to the tornado alert sirens that are typically used during storms, and storms are the most frequent cause of commercial power failures.

UPS – (CFT - ~~\$71,337.00~~)