



**CITY OF PLANO
COUNCIL AGENDA ITEM**

CITY SECRETARY'S USE ONLY					
<input type="checkbox"/> Consent <input type="checkbox"/> Regular <input type="checkbox"/> Statutory					
Council Meeting Date:		08/22/16			
Department:	Police				
Department Head	Gregory W. Rushin				
Agenda Coordinator (include phone #): Lincoln Thompson (Ext. 7376)					
CAPTION					
Bid No. 2016-0326-B for the purchase of Mobile Officer Assistants (Rugged Android Touch Computers), for the Police Department, from MSA Systems, Inc., in the amount of \$168,406, and authorizing the City Manager to execute all necessary documents.					
FINANCIAL SUMMARY					
<input type="checkbox"/> NOT APPLICABLE <input checked="" type="checkbox"/> OPERATING EXPENSE <input type="checkbox"/> REVENUE <input type="checkbox"/> CIP					
FISCAL YEAR: 2015-16		Prior Year (CIP Only)	Current Year	Future Years	TOTALS
Budget		0	555,000	0	555,000
Encumbered/Expended Amount		0	-52,090	0	-52,090
This Item		0	-168,406	0	-168,406
BALANCE		0	334,504	0	334,504
FUND(s): TRAFFIC SAFETY FUND					
COMMENTS: Funds are available in the 2015-16 Traffic Safety Fund budget for the purchase of fifty (50) handheld Rugged Android Touch Computers and accessories for use in Electronic Citation writers. STRATEGIC PLAN GOAL: Replacement of the Police Department's handheld computers relates to the City's Goal of Financially Strong City with Service Excellence and Safe Large City.					
SUMMARY OF ITEM					
See Recommendation Memo.					
List of Supporting Documents: Recommendation Memo Bid Recap			Other Departments, Boards, Commissions or Agencies NA		

Date: August 9, 2016

To: Mark Israelson, Deputy City Manager

From: Gregory W. Rushin, Chief of Police *grushin*

Subject: Solicitation 2016-0326-B (Mobile Officer Assistants) – Award Recommendation

The Police Department is seeking to replace the 37 aging Motorola MC-75 handheld computers that have been in use as electronic citation writers since 2010. Support for these devices is no longer available, and they are increasingly malfunctioning due to normal wear and tear. In addition, the Municipal Court administrative staff, City management, and our Planning & Research Coordinator have long advocated expansion of this program, so that all Patrol and Traffic Officers have the capability of issuing citations electronically. We are therefore planning to initially acquire 50 units, with an expectation that as many as 235 will eventually be placed into service. The primary benefits of electronic versus handwritten citations include, but are not limited to the following:

- Elimination of the need for wasteful, redundant data entry by Municipal Court Clerks and Police Records Unit personnel.
- Greatly increased accuracy in the collection of racial profiling data and other critical information; virtually eliminating the need for post-issuance modifications due to incorrect entries, illegible print, or information omitted by officers.
- Much faster transfer of citation information from officers to existing records databases for access by Municipal Court clerks and Police Department personnel.
- Minimization of the need for expensive citation books, which must be specially printed, secured, distributed, and audited by Police Department personnel.
- Barcode scanners and driver license magnetic stripe readers integrated into the devices help increase data collection efficiency.
- Integrated cameras and microphones allow officers to capture valuable still images, audio, and/or video recordings of citizen contacts.

The Police Department first attempted to procure this equipment through a CSP; however, after very thorough consideration and an on-site product evaluation conducted by several officers; it was determined that none of the proposed devices would fully satisfy all necessary requirements and all bids were rejected. Police Department and Technology Services staff members again consulted with Brazos Technologies representatives and discovered that no law enforcement agency had actually deployed a Windows 8 device for use with their software. In contrast; many officers throughout the state had been using either the Zebra Technologies TC75 or Panasonic Toughpad FZ-X1 rugged handheld touch computer as an electronic citation writer with great results. Both models use the Android operating system software and offered comparable features; including a screen size of approximately 5", high-speed bar code scanner, and daylight readable projected capacitive touchscreens. Based on the recommendation of Brazos Technologies staff, including their support engineers, we decided to narrow the field of devices to just these two. Upon request, Brazos Technologies was able to provide us with a demonstration unit for each model, pre-loaded with a version of their E-Cite application that had been configured for another Texas law enforcement agency. These devices were made available to 19 of our officers for physical examination and brief field evaluation. Each officer then provided feedback regarding

the suitability of these demo units for our use, and the vast majority recommended a purchase of the Zebra TC75. Primary advantages of the TC75 (as noted by the evaluating officers) included slightly smaller physical dimensions that allow for easier one-handed operation; a brighter screen for better daylight visibility; faster, more accurate, bar code scanning for greater efficiency and officer safety (traffic stops completed more quickly); and superior button placement for activation of common features. A specification comparison was then conducted to ensure that no major internal differences or feature deficiencies might have been overlooked by the evaluating officers.

Based on these findings, a brand specific bid solicitation was published for the following equipment:

- Fifty (50) Zebra TC75 Rugged Android Touch Computers (Part #TC75AH-GA11ES-A1) with 5 year software support and comprehensive no-fault warranty
- Fifty (50) Zebra ZQ520 Bluetooth Portable Printers with 5 year comprehensive no-fault warranty
- Various docking cradles, power supplies, and other accessories for these devices

Seven bids were received, with the lowest overall price offered by MSA Systems, Inc. A pre-award conference call was held with representatives of MSA, at which time all pricing and part numbers were verified. The total cost for all of the handheld computers, portable printers, and accessories, will be \$168,405.70. Since these devices are intended primarily for use as electronic citation writers, use of the Traffic Safety Fund has already been approved for the purchase of all equipment and any recurring fees for 4G/LTE wireless broadband data services. All costs incurred for licensing of the Brazos Technology software is being funded through the Municipal Court.

Many important benefits, as described above, have already been realized as a result of electronic citation issuance, and expansion of the program has long been a goal of the Police Department. The devices now in use have begun to malfunction frequently and will soon be completely unsupported by the manufacturer. If this equipment is not replaced in a timely manner, the Police Department will have to begin shrinking the number of units in service and eventually halt the issuance of electronic citations altogether. This will negatively impact our ability to provide outstanding police services to the citizens of Plano.

CITY OF PLANO
BID NO. 2016-0326-B
Mobile Officer Assistants (Rugged Android Touch Computers)
BID RECAP

Bid Opening Date/Time: July 6, 2016 @ 3:00 pm

Number of Vendors Notified: 5,725

Vendors Submitting "No Bids": 0

Bids Deemed Nonresponsive: 0

Number of Bids Submitted: 7

MSA Systems, Inc.	\$ 168,405.70 (25/25 items)
Lowry Solutions	\$ 178,952.98 (25/25 items)
CN Instruments	\$ 178,979.60 (8/25 items)
Tyler Technologies	\$ 182,641.00 (25/25 items)
IT Savvy	\$ 183,956.26 (25/25 items)
Manley Solutions, Inc.	\$ 197,616.67 (25/25 items)
PCS Mobile	\$ 203,033.00 (25/25 items)

Low Bid:

MSA Systems, Inc. \$ 168,405.70 (25/25 items)

Lincoln Thompson

Lincoln Thompson
Senior Buyer

July 6, 2016

Date