



CITY COUNCIL AGENDA ITEM

February 21, 2011

To: John Szerlag, City Manager

From: Susan A. Leirstein, Purchasing Director
Gert Paraskevin, IT Director
Gary G. Mayer, Chief of Police

Subject: Standard Purchasing Resolution 4: Cooperative Contracts
Digital In-Car Video System

Background

On June 22, 2010, the Police Department learned that International Police Technologies, the manufacturer of the department's VisionHawk digital, in-car video system purchased in 2006, ceased operations effective June 11, 2010. This cessation of operations included "all system repairs, replacement parts, user training and counseling, trouble-shooting, installation, and telephone consultations." It would appear to be less than prudent to attempt to continue to invest in the current system without the availability of replacement parts or repair support. Police Department personnel have explored numerous options, and examined and evaluated digital recording systems in an effort to find a suitable solution that would meet the department's needs. High quality, dependability, adaptability to the current system, and pricing were all factors that were considered in the evaluation process. Based upon the listed criteria, department personnel evaluated three premier video systems. Those systems were the MDVS-2 manufactured by OEM Micro Solutions, the Arbitrator 360 manufactured by Panasonic, and the Mobile-Vision, Inc. manufactured by L3 Communications.

The research included demonstrations by the various manufacturers of both the in-car equipment and the management software. Department personnel also contacted and interviewed users of the recommended system. The recommended system offered all of the features of the current system with several added features that should reduce time spent archiving video and maintaining the database and server systems. The recommended system is adaptable with many of the wireless access points of the current system, thereby reducing implementation costs. Its administrative capabilities were the most user-friendly and adaptable of those systems evaluated, and it was the only system evaluated that used Microsoft SQL 2008 as its standard database. Microsoft SQL 2008 is the database preferred by both the IT and Police Departments.

Recommendation

It is recommended that the Troy Police Department purchase the Panasonic Arbitrator 360 digital, in-car video system to replace the current IPT VisionHawk system. The purchase and replacement of the current system would be over a three-year period (as outlined in Attachment A). By employing incremental purchases over three years, department personnel are hoping to use parts from IPT video systems that are decommissioned in the first year to maintain those IPT video systems remaining in the vehicle fleet. Most of the required digital storage needs, disk duplicators, and training to support the new system would be purchased in the first year. Purchase of digital in-car video recording systems for the Police department will be made using the Oakland County Cooperative Purchasing Contract pricing. The department proposes to purchase 48 units at an estimated cost of \$6,003.00 per unit. The back office, server, duplicators, and management software add an additional estimated cost of \$31,150.00. Estimated costs for, training are \$2,500.00. An estimated cost for installation of the units is \$24,000.00. Total estimated cost is \$345,800.00.



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To: John Szerlag, City Manager
Re: Digital In-Car Video System

Fund Availability

The duplicators (\$8,440.00) will be purchased in FY 2010/11 from the Uniform Patrol, Equipment General Capital Fund.

It is proposed that Federal Drug Forfeiture Capital Funds (\$100,000), already contained in FY 2010/11, be used to initiate this project. Similar Federal Drug Forfeiture Capital Funds from FY 2011/12 (\$150,000) and FY 2012/13 (\$100,000) will be used to fund the remainder of the replacement costs of the in-car video project.

Some of the costs for replacement of the in-car video system may be offset by in-car camera replacement funding from a Michigan Municipal Risk Management Authority (MMRMA) grant consisting of \$1,000.00 per unit for a maximum of \$15,000.00 per MMRMA member, and/or a similar MMRMA passenger surveillance camera grant consisting of 50% of the cost of the cameras, up to \$1,500.00 per vehicle, with a maximum of 10 vehicles per MMRMA member (\$15,000.00).

Prepared by: Keith Frye, Captain

ATTACHMENT A

Project Costs

Item	Vendor	Estimated Cost
Panasonic Arbitrator 360	Advanced Wireless Telecom (Oakland County Co-Op Purchasing Contract)	\$288,144.48
Panasonic Training	Advanced Wireless Telecom (Oakland County Co-Op Purchasing Contract)	\$2,500.00
Installation	Troy DPW	\$24,000.00
Storage	Hewlett Packard (REMC)	\$22,716.80
R-Quest NS 2100 Disc Duplicators	MediaMegaMall.com (Three Quote Process)	\$8,440.00
ESTIMATED TOTAL		\$345,801.28

Budget Year Purchases

FY 2010-2011	\$111,000.00	
Uniform Patrol, Equipment General Capital Fund	R-Quest NS 2100 Disc Duplicators	\$8,440.00
Federal Drug Forfeiture Capital Funds	Storage	\$17,062.40
Federal Drug Forfeiture Capital Funds	Panasonic Training	\$2,500.00
Federal Drug Forfeiture Capital Funds	12-Panasonic Arbitrator 360	\$78,036.12
FY 2011-2012	\$150,000.00	
Federal Drug Forfeiture Capital Funds	Storage	\$5,654.40
Federal Drug Forfeiture Capital Funds	22-Panasonic Arbitrator 360	\$143,066.22
FY 2012-2013	\$100,000.00	
Federal Drug Forfeiture Capital Funds	14-Panasonic Arbitrator 360	\$91,042.14

GM/kf\AGENDA ITEMS\02.18.11 – In-car Video System



Toughbook Arbitrator 360^o™ System Quote

SKU	Description	Qty	Price	Total
ARBTR-KIT-360	Arbitrator Kit MK2.0 Recorder with Front Facing Camera, GPS, in-car mic & wireless digital mic, 32GB SDHC, includes all software & Manuals (see BOM Attached)	1	\$4,579.70	\$ 4,579.70
HUB-USB3-E	Tough Hub	1	\$ 208.33	\$ 208.33
TGS-3DP	G-Force Crash Sensor Kit Including User Manual, power cable, trigger cable	1	\$ 245.18	\$ 245.18
CN258IR-P	Rear Camera	1	\$ 122.18	\$ 122.18
CCR24TXPNA	Wireless Mic Transmitter Kit (Spare) Includes Mic, Charger, Pouch, Lavalier Mic	1	\$ 239.44	\$ 239.44
CCR24PNA	Wireless Mic Transmitter Kit (Spare) Includes Mic, Charger, Pouch, Lavalier Mic Receiver, Mounting Bracket, Power Cable, Receiver Antenna	1	\$ 402.62	\$ 402.62
	Warranty for 3 years OPTIONAL	1	\$ 445.00	\$ 445.00
AG-RCP30P	Control Panel Kit - Including 3.5" LCD Display,	1	\$ 593.68	\$ 593.68
DS-DA-206	Arbitrator mount control panel	1	\$ 113.98	\$ 113.98

	2010-2011	2011-2012	2012-2013	Total
Budget	\$111,000.00	\$ 150,000.00	\$ 100,000.00	\$ 361,000.00
Storage	\$ 17,062.40	\$ 5,654.40	\$ -	\$ 22,716.80
Disk Duplicator	\$ 9,378.00			
Training Estimated	\$ 2,500.00			
Remaining	\$ 82,059.60	\$ 144,345.60	\$ 100,000.00	\$ 326,405.20
Kit Cost	\$ 6,003.01	\$ 6,003.01	\$ 6,003.01	
Install	\$ 500.00	\$ 500.00	\$ 500.00	
Total Units	12	22	14	48
Unit Cost	78,036.12	143,066.22	91,042.14	\$ 312,144.48
Remaining	4,023.48	1,279.38	8,957.86	\$ 14,260.72

** All Prices RE Oakland County Cooperative Purchasing Contract

ARBITRATOR SERVICES SUMMARY



ARBITRATOR PACKAGES

The **ARBITRATOR COMPLETE PACKAGE** allows your organization to reduce the time it takes to implement the software on your server and in the vehicles for your organization's Arbitrator Mobile Digital System.

SKU	DESCRIPTION	PRICE*
CF-SVCARB2CMPT	Arbitrator Complete	\$22,000

The **ARBITRATOR ASSIST PACKAGE** provides on-site support from Panasonic at the critical start-up phase of your organization's Arbitrator Mobile Video System deployment.

SKU	DESCRIPTION	PRICE*
CF-SVCARB2ASST	Arbitrator Assist	\$14,000

The **ARBITRATOR REMOTE PACKAGE** provides remote software implementation of your organization's Arbitrator Mobile Digital Video System.

SKU	DESCRIPTION	PRICE*
CF-SVCARB2REMT	Arbitrator Remote	\$6,000

ARBITRATOR WARRANTIES

ARBITRATOR EXTENDED WARRANTY coverage is based on either one-year or two-year extensions. This coverage must be purchased as part of the original Arbitrator sale.

SKU	DESCRIPTION	PRICE*
CF-SVCARB2EX1Y	1-Year Extended Warranty	\$250 ea.
CF-SVCARB2EX2Y	2-Year Extended Warranty	\$445 ea.

ARBITRATOR PROTECTION PLUS must be purchased as part of the original Arbitrator sale. Coverage for external devices may be available at an additional charge.

SKU	DESCRIPTION	PRICE*
CF-SVCARB2NF3Y	3-Year Protection Plus**	\$595 ea.
CF-SVCARB2NF4Y	4-Year Protection Plus**	\$775 ea.
CF-SVCARB2NF5Y	5-Year Protection Plus**	\$995 ea.

ARBITRATOR MICROPHONE KIT EXTENDED WARRANTY provides longer coverage on the transmitter, lavalier microphone, transmitter battery, receiver, in-car microphone, external antenna, chargers, brackets and cables provided with the original package.

SKU	DESCRIPTION	PRICE*
CF-SVCAR2MX1Y	1-Year Microphone Kit Extended Warranty	\$225 ea.
CF-SVCAR2MX2Y	2-Year Microphone Kit Extended Warranty	\$450 ea.
CF-SVCAR2MX3Y	3-Year Microphone Kit Extended Warranty	\$675 ea.
CF-SVCAR2MX4Y	4-Year Microphone Kit Extended Warranty	\$900 ea.

*Specifications and prices subject to change without notice.
**Includes one year of Extended Warranty coverage.

WARRANTY BENEFITS

- Enhance the productivity of your mobile workforce.
- Manage budgets more effectively by minimizing out-of-warranty repair charges.
- Increase uptime for your mobile workforce by streamlining out-of-warranty coverage issues.

WARRANTY DESCRIPTION

The Protection Plus warranty provides your organization with added peace of mind. It covers repairs that result from accidental damage during regular use. Items not covered include damage from intentional acts, fire, loss, theft, normal wear (cosmetic) not affecting functionality, improper maintenance, modification by anyone other than our National Service Center or a Panasonic Authorized Service Provider and damage that is attributable to acts of God.

All system components, except consumable items, are covered under this warranty. Consumable items include battery, battery charger, stylus pens and printing on the keyboard. Panasonic may elect to repair or replace the damaged unit, at our discretion, with a model of equal or greater value. This warranty requires that a complete list of model numbers and serial numbers be submitted at the time of purchase.

WARRANTY PROCEDURE

- Your organization's user initiates the repair of a Toughbook computer by calling the Panasonic Technical Support hotline at 1.800.LAPTOP5, which is available 24 hours a day, 365 days a year with Toughbook Premier, Toughbook Preferred and Toughbook Plus. Otherwise, it will be available from 8AM to 8PM Monday through Friday, excluding federal holidays.

- A Panasonic representative will work with your user to determine warranty coverage and the source of the problem. If it is determined that either a replacement part or service is required, our representative will request the following information:

- Name
- Address
- Unit model and serial number
- Date of failure
- Description of problem

- All units repaired under the Protection Plus warranty receive next-business-day shipping to and from our National Service Center within the United States with Toughbook Premier, Toughbook Preferred and Toughbook Plus. Otherwise, your organization will pay for the shipping to our National Service Center and we will return the unit to you at no charge via ground delivery.

MAXIMUM BENEFIT

The maximum benefit for Protection Plus coverage is limited to one major failure per unit per year for the LCD, keyboard, hard drive and system board. A replacement unit will not be provided if the maximum benefit has already been met for a unit. If the maximum benefit has not been met and a unit needs to be replaced, a replacement unit will be provided. The replacement unit will not be covered by Protection Plus unless separately purchased for the replacement unit. Additionally, Panasonic may replace the screen protection sheet up to once per warranty year when deemed necessary on units in for service at an authorized location.



Protection Plus must be purchased as part of the original Toughbook computer sale. Coverage for external devices may be available at an additional charge.

SKU	Description	Price*
GF-SVCLTNF3Y	3-year Protection Plus	\$250 ea.
CF-SVCLTNF4Y	4-year Protection Plus	\$500 ea.
CF-SVCLTNF5Y	5-year Protection Plus	\$800 ea.

*Specifications and prices are subject to change without notice.

Learn more: 1.800.662.3537 / panasonic.com/toughbook/services

Panasonic ideas for life



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Contract: MI - REMC (WSCA/NASPO) (HP-WSCA-09)

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Show address and comment fields. Use the File - Print option to print this form for your future reference.

Items/description	Part no	Unit price	Qty	Ext price
HP StorageWorks P2000 G3 FC MSA Dual Controller LFF Modular Smart Array	Base	\$7,960.00	1	\$7,960.00
AP845A		\$7,960.00		
HP StorageWorks P2000 G3 FC MSA Dual Controller LFF Modular Smart Array	AP845A			
Interface				
8Gb FC host interface				
Form factor				
3.5 in. (drive)				
2U (enclosure)				
Total drive count				
Up to 12 SAS / SATA LFF drives (96 w/ expansion)				
Capacity				
Up to 192TB of storage				
Expansion				
Expand w/ P2000 3.5-inch disk enclosure or D2700 2.5-inch disk enclosure				
HP StorageWorks P2000 2TB 6G SAS 7.2K LFF (3.5-inch) Dual Port MDL Hard Drive	AW555A	\$471.20	12	\$5,654.40
		\$471.20		
HP 1 year Nbd MSA 2000 G3 HW Support	UV389E	\$292.80	1	\$292.80
		\$292.80		
HP StorageWorks P2000 G3 Dual I/O LFF Drive Enclosure	AP843A	\$2,800.00	1	\$2,800.00
		\$2,800.00		
Mini SAS 4x 2M Cable All	407339-B21	\$88.80	4	\$355.20
		\$88.80		

Subtotal: \$17,062.40

Estimated Lease Cost: \$547.70

The terms and conditions of the MI - REMC (WSCA/NASPO) will apply to any order placed as a result of this inquiry, no other terms or conditions shall apply.

To access the HP Public Sector Online Store where this form was created, go to:
<http://gem.compaq.com/gemstore/entry.asp?SiteID=11574>

* The estimated lease cost is the monthly payment amount for a lease commencing on or before 3/9/2011 with a term of 36 months and a fair market value purchase option at the end of the lease term. This and other leasing and financing options are available through Hewlett-Packard Financial Service Company (HPFSC) or one of its affiliates to

qualified education and state and local customers in the U.S. and subject to credit approval and execution of standard HPFSC documentation. Fees and other restrictions may apply. This is not a commitment to lease. Rates and payments are subject to change at any time without notice. Leasing and financing options for Federal governmental agencies (subject to a \$50,000 minimum) are available from Hewlett-Packard Company. For more information, call Hewlett-Packard Financial Services Company at 1-888-277-5942 and talk to a financial services representative who specializes in supporting government and education entities.

* HP is not liable for pricing errors. If you place an order for a product that was incorrectly priced, we will cancel your order and credit you for any charges. In the event that we inadvertently ship an order based on a pricing error, we will issue a revised invoice to you for the correct price and contact you to obtain your authorization for the additional charge, or assist you with return of the product. If the pricing error results in an overcharge to you, HP will credit your account for the amount overcharged.

* This quotation may contain open market products which are sold in accordance with HP's Standard Terms and Conditions. HP makes no representation regarding the TAA status for open market products. Third party items that may be included in this quote are covered under the terms of the manufacturer warranty, not the HP warranty.

* Please contact HP Public Sector Sales with any questions or for additional information:

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State Local Govt:	888-202-4682	Federal Govt:	800-727-5472
Fax:	800-825-2329	Returns:	800-888-3224

* For detailed warranty information, please go to www.hp.com/go/specificwarrantyinfo. Sales taxes added where applicable. Freight is FOB Destination.

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<input type="checkbox"/> Item	Price	Quantity	Total
<input type="checkbox"/>  <p>R-Quest NS 2100 Automatic Blu Ray Disc Duplicator HP Color Inkjet Printer, 2 Drives, 150 Disc, Network Ready, 160 GB HD</p> <p>Item Number: NS2100BDi Network Software: FX Software Upgrade Extended Warranty?: 2nd Year Warranty Edit this product</p>	\$4,689.00	<input type="text" value="1"/> 2	\$4,689.00 \$9,378. ⁰⁰
			<input type="button" value="Update"/> <input type="button" value="Remove"/>
<input type="button" value="With selected items..."/> <input type="button" value="Submit"/>			
			<p>Subtotal: \$4,689.00</p> <p>Total: \$4,689.00</p> <input type="button" value="Checkout"/>

**CITY OF TROY
PURCHASE QUOTATIONS**

Quotation Date:		Vendor 1		Vendor 2		Vendor 3		Vendor 4	
Vendor:		CDDVDKING LLC		CD Solutions, Inc		MediaMegaMall.com			
Address:		1153 Bergen Parkway #208		P.O. Box 536		950 Taylor Station Suite O			
City:		Evergreen		100 W. Monumnet Street		Gahanna			
State and Zip:		CO. 80439-9501		Pleasant Hill, OH. 45359		Ohio 43230			
Phone:		(888)237-3837		(800)860-2376		(866)534-6025			
Salesman:									
No.	Item	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
2	R-Quest NS2100BDi	\$4,689.00	\$9,378.00	\$4,594.00	\$9,188.00	\$4,220.00	\$8,440.00		
(Indicate) F.O.B.		or Freight \$		\$0.00		\$214.57		\$0.00	
TOTAL		\$9,378.00		\$9,402.57		\$8,440.00			

Place an asterisk (*) by the lowest price quoted overall for each item. Type purchase order(s) using information from quotation form. Attach purchase quotation to completed purchase order.

REASON FOR PURCHASE: CD/DVD/BD disk producer for in-car video to go with new Arbitrator camera system.

REASON FOR AWARD: Lowest Price Sole source Quality Service Best delivery Best design

DELIVER TO: City of Troy Police Department. 500 West Big Beaver, Troy, MI. 48084

Account Number: 315.7978.010 E.P.O. Regular P.O. Confirming P.O. Number assigned by Purchasing _____

Requestor: Keith A Frye Approved for Issuance: _____

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ITEM DESCRIPTION	QTY	EACH	TOTAL
R-Quest NS-2100BDi Networked Publishing System for CD/DVD/Blu-Ray [+] View list of options I selected	1	\$4,094.00	\$4,094.00
R-Quest Upgrade to TrueNet FX from LX for the NS-2100 Series	<input type="text" value="2"/>	\$500.00	\$1,000.00
R-Quest NS-2100BDi Networked Publishing System for CD/DVD/Blu-Ray [+] View list of options I selected	1	\$4,094.00	\$4,094.00

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UPS

UPS Ground \$214.57

United States, MI, 48084

Tax: \$0.00

Total: **\$9,402.57**

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CDDVDKING

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- Rimage Prism Printer Duplicator
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<input type="checkbox"/> 	R-Quest NS 2100 Automatic Blu Ray Disc Duplicator HP Color Inkjet Printer. 2 Drives. 150 Disc. Network Ready. 160 GB HD	<input type="text" value="2"/>	\$4,689.00	\$9,378.00	<input type="button" value="Update"/> <input type="button" value="Remove"/>
<p>Item Number: NS2100BDI Network Software: FX Software Upgrade Extended Warranty?: 2nd Year Warranty Edit this product</p>					
<input type="button" value="With selected items..."/> <input type="button" value="Submit"/>					
				Subtotal: \$9,378.00 Total: \$9,378.00	<input type="button" value="Checkout"/>
				~ or ~	<input type="button" value="Google Checkout"/>
				Fast checkout through Google	<input type="button" value="Continue Shopping"/>

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Qty	Item	Total
2	R-Quest NS 2100 Automatic Blu Ray Disc Duplicator HP Color Inkjet Printer, 2 Drives, 150 Disc, Network Ready, 160 GB HD	\$9,378.00
Subtotal		\$9,378.00

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