



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM



Date: November 15, 2021

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
Robert C. Maleszyk, Chief Financial Officer
Lisa Burnham, Accounting Manager
Chief Frank Nastasi, Police Department
Captain Andy Satterfield, Police Department
Lt. Michael Giorgi, Police Department
Matthew Heasley, Police IT Manager (Interim)
Emily Frontera, Purchasing Manager

Subject: Standard Purchasing Resolution 4: Cooperative Purchasing Contracts OMNIA Partners and MiDeal – Troy PD Lockup and Property Room Security System Upgrade

History

The Troy PD Lockup facility and Property Room have antiquated cameras, intercoms, and panic alarm systems that date back to 2005 and 2006. Although some of the cameras have been replaced due to age or functionality, there has not been a significant upgrade to the camera devices since 2012. The original panic alarms and intercom system are still in place and replacement parts are no longer available. Troy PD is also looking to increasing the number of panic alarms and making them easily available in case of emergency. Updating the intercom system allows for better audio to hear if our inmates need assistance.

The cameras show their age and pixilation and do not provide a wide enough range of view due to the camera's limitations at that time. Technology and camera quality has drastically improved over the past years and today's technology allows for a better full coverage view of areas.

There are also very limited audible recording devices except for certain areas of Lockup. This upgrade would add multiple points of audio recording ensuring the safety of our employees and inmates.

Purchasing

- Pricing to provide, install and program upgrades and additional devices to the PD Lockup and Property Room areas has been secured from *Wadsworth Solutions of Southgate, MI* through the OMNIA Partners Purchasing Cooperative Contract #R170504 as detailed in the attached quote# MJH21028.
- City Council authorized participation in the Cooperative Purchasing Program on November 8, 2021 (Resolution #2021-11-160)
- The project will require new cable pulls to be run from device locations to various server rooms. Pricing to run new wiring has been secured from *Western Tel-Com, Inc of Holland, MI* the awarded bidder in the State of Michigan MiDeal Cooperative Purchasing Program Contract# 071B3200106 as detailed in the attached quotes.



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Financial

Funds are budgeted and available in the Police Department General Equipment Capital Fund under Project Numbers 2022C0149 and 2022C0012 for the 2022 fiscal year. Expenditures will be charged to account numbers 401.301.11.305.7978.010 and 401.301.11.325.7978.010.

Police Department	Cost	Account	Project Number	Budget
Western Tel-Com	\$ 34,400	401.301.11.305.7978.010	2022C0149	\$45,000
Wadsworth	<u>\$123,000</u>	401.301.11.325.7978.010	2022C0012	\$125,000
Total Cost	\$157,400			

Recommendation

City Management recommends awarding contracts for the Security System Upgrades at the Troy PD Lockup and Property Room to *Wadsworth Solutions of Southfield, MI* for the installation and programming of upgraded devices for an estimated cost of \$123,000 as per the OMNIA Partners Purchasing Cooperative Contract #R170504; and to *Western Tel-Com, Inc of Holland, MI* for wire installation for an estimated cost of \$34,400 as per the State of Michigan MiDeal Cooperative Purchasing Contract #071B3200106. City Management also recommends including a contingency amount of \$12,600; for a not to exceed total amount of \$170,000.



PROPOSAL

Troy Police Department Security Systems Refresh Revised

July 16, 2021

Quote: #MJH21028

To: City of Troy
500 Big Beaver Road
Troy, Michigan 48084
Attention: Matthew Heasley
TCPN R170504

All quotations are for acceptance within 30 days. Contracts are not binding until this company has approved buyer's credit.
Unless shown, prices quoted do not include federal or state sales taxes.

Detroit

12154 Dix Toledo Rd.
Southgate, MI 48195
(313) 636-6600

Cleveland

7851 Freeway Circle
Middleburg Heights, OH 44130
(216) 391-7263

Toledo

1500 Michael Owens Way
Perrysburg, OH 43551
(419) 861-8181

Youngstown

909 Sahara Trail, Unit C
Boardman, OH 44514
(419) 861-8181

Scope of Work: Wadsworth Solutions is pleased to present a quotation to provide the Troy Police Department with a solution to procure and provide (17) Aiphone intercom stations to be deployed throughout the lockup area. Wadsworth Solutions will also procure and provide (2) Aiphone Master stations with 2 way audio and (1) Master Station with Audio only. All of these the intercom communications stations are rated for exterior use. Wadsworth Solutions will provide the labor to install and program this system. The wire needed for these stations will be supplied by Troy PD and the labor to pull the wire if needed, will be the responsibility of the Troy PD. These locations will need CAT6 pulled to each location.

Wadsworth Solutions will also procure and provide (3) Stentofon Video intercoms to be deployed at the gate entrances. These video intercoms are weather rated and provide superior audio and video. These Stentofon Video stations will communicate with (1) Stentofon Master station with video to be deployed in the Troy PD. This quotation includes the labor to install and program these video intercom units. This quote does not include any wire than may need to be run, the labor to run it, or any network switches that may be needed. These locations will need CAT6 pulled to each location.

Wadsworth Solutions is also please to provide (3) card readers to be deployed in the lock up area. Wadsworth Solutions will procure (3) HID Access Expert readers, (1) Access Expert purpose-built controller, (2) Access Expert zone expanders, (1) Access Expert power supply, and (1) Enclosure. These card readers will not open doors but will be used for reporting purposes. Wadsworth Solutions will provide the labor to install and program the items as described above. This quotation includes the labor to install and program these panic buttons, but does not include any wire that may be needed or the labor to pull the wire. These locations will need a 18/6 wire pulled to each location.

Next, Wadsworth Solutions will procure and install the material needed to refresh the panic buttons in the lock up area. Wadsworth Solutions will install (8) Sentrol Panic Buttons and (1) Security Expert 16 zone expander. This will provide the Troy PD with visibility of the panic alarms through the Security Expert system and will replace the current solution of the panic buttons going through the Continuum system. This quotation includes the labor to install and program these panic buttons, but does not include any wire that may be needed or the labor to pull the wire. These locations will need a 18/2 wire pulled to each location.

Wadsworth Solutions will procure (9) Pelco Optera 12 Mega Pixel 270 degree in ceiling cameras, (26) Pelco Sarix Enhanced 3rd generation 3 Mega Pixel Dome Cameras, (5) Pelco Sarix Pro 3 IR 2 Mega Pixel Wedge Cameras, and (15) Astastic 210 Multidirectional Microphones. The Astastic Microphones will also need their own dedicated power supplies for this solution. Wadsworth will procure and provide the power supplies as needed to power the microphones. This quote does not include any labor to install the cameras or the microphones and also does not include any wire or the labor to pull said wire. The camera locations will need a CAT 6 wire pulled to each location. The microphones will need a 18/4 cable pulled to each location.

Lastly, Wadsworth Solutions has provided an optional line item listed below to provide the labor to install cameras and microphones as listed above. As per the whole of this quotation this will not include any labor to pull or supply wire that may be needed.

TOTAL AMOUNT FOR SERVICES LISTED ABOVE:..... \$ 111,599

Option Add: Labor to install cameras and microphones.....\$11,403

1. Applicable taxes are not included and will be added to the invoice.
2. Any service not listed is not included.
3. Work to be performed during normal business hours (Monday – Friday, 7:30 a.m. to 4:30 p.m.)
4. Pricing is subject to renegotiations if not accepted in 30 days from date of quotation.
5. This quotation does not include any wiring that may be necessary.
6. This quote does not include any wire, wiring or labor to pull wire.

Submitted By,

MJ Hill
Senior Account Executive
Tel (419) 873-6907
Fax (419) 861-3282
Cell (419) 654-1867
Email: mjhill@wadsworthsolutions.com

Approved By: _____

Approved On: _____

Purchase Order: _____

Billing Code: _____



Western Tel-Com, Inc.
SOM PROJECT ESTIMATE

Quantity Description

2000

13 Drops

HORIZONTAL WIRING

18/4 Sheilded RIB

Quantity Description

10

6

Wire Removal - Price per Hour
Core 1" X 8" includes sleeve & firestopping

Quantity Description

RISER / FIBER CABLE / FIBER SPLICING

Quantity Description

MISCELLANEOUS

								Zone:	1
# of Cable Runs								TOTAL COST	
1-24		25-48		49-144		145-336		Labor	Material
Labor	Material	Labor	Material	Labor	Material	Labor	Material		
1.47	0.34	0.73	0.31	0.69	0.31	0.65	0.31	\$ 2,940.00	\$ 680.00
^	^								
Price for Each Item based on Quanity									
1-24		25-48		49-72		72 & Up			
Labor	Material	Labor	Material	Labor	Material	Labor	Material		
66.00	0.00	66.00	0.00	66.00	0.00	66.00	0.00	660.00	-
158.40	6.00	79.20	6.00	74.35	6.00	70.39	6.00	950.40	36.00
Total - Labor / Material								\$ 4,550.40	\$ 716.00
Total Project Cost								\$	5,266.40



Western Tel-Com, Inc.

SOM PROJECT ESTIMATE

Quantity Description

4000 1 cat 6 Cable
20 Drops

HORIZONTAL WIRING

Plenum Sheilded/ Suspended Ceiling / Flush Mount

Quantity Description

20 Cat 6 Modular Jack, RJ45 Type (data) - All Colors
20 Surface Mount Box (2 Outlet)
20 Terminate and Test Cat 6 - 4 Pair UTP
7 Wire Removal - Price per Hour
1 Modular to 110 Category 6 Patch Panel - 24 Port
8 Core 1" X 8" includes sleeve & firestopping

TERMINATING HARDWARE

Quantity Description

40 Each

RISER / FIBER CABLE / FIBER SPLICING

MISCELLANEOUS

Cat 6 Patchcord 8'

				Zone:		1			
# of Cable Runs									
1-24		25-48		49-144		145-336		TOTAL COST	
Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1.47	0.31	0.73	0.31	0.69	0.31	0.65	0.31	\$ 5,880.00	\$ 1,240.00
^	^							0.00	0.00
Price for Each Item based on Quantity									
1-24		25-48		49-72		72 & Up			
Labor	Material	Labor	Material	Labor	Material	Labor	Material		
0.00	8.40	0.00	8.40	0.00	8.40	0.00	8.40	-	168.00
8.78	3.00	4.39	3.00	4.12	3.00	3.90	3.00	175.60	60.00
9.90	0.00	4.95	0.00	4.65	0.00	4.40	0.00	198.00	-
66.00	0.00	66.00	0.00	66.00	0.00	66.00	0.00	462.00	-
45.00	65.00	45.00	65.00	45.00	65.00	45.00	65.00	45.00	65.00
158.40	6.00	79.20	6.00	74.35	6.00	70.39	6.00	1,267.20	48.00
Material \$ / Cable								9.12	- 364.80
Total - Labor / Material								\$ 8,027.80	\$ 1,945.80
Total Project Cost								\$ 9,973.60	



Western Tel-Com, Inc.
SOM PROJECT ESTIMATE

Quantity Description

3200 1 cat 6 Cable
16 Drops

HORIZONTAL WIRING

Plenum Sheilded/ Suspended Ceiling / Flush Mount

Quantity Description

16 Cat 6 Modular Jack, RJ45 Type (data) - All Colors
16 Modular Faceplate Single Outlet
16 Terminate and Test Cat 6 - 4 Pair UTP

TERMINATING HARDWARE

Modular to 110 Category 6 Patch Panel - 24 Port
Core 1" X 8" includes sleeve & firestopping

Quantity Description

32 Each

RISER / FIBER CABLE / FIBER SPLICING

MISCELLANEOUS

Cat 6 Patchcord 8'

								Zone:		1	
# of Cable Runs											
1-24		25-48		49-144		145-336		TOTAL COST			
Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material		
1.47	0.31	0.73	0.31	0.69	0.31	0.65	0.31	\$ 4,704.00	\$ 992.00		
^	^							0.00	0.00		
Price for Each Item based on Quantity											
1-24		25-48		49-72		72 & Up					
Labor	Material	Labor	Material	Labor	Material	Labor	Material				
0.00	8.40	0.00	8.40	0.00	8.40	0.00	8.40	-	134.40		
2.18	1.64	1.09	1.64	1.02	1.64	0.97	1.64	34.88	26.24		
9.90	0.00	4.95	0.00	4.65	0.00	4.40	0.00	158.40	-		
45.00	65.00	45.00	65.00	45.00	65.00	45.00	65.00	45.00	65.00		
158.40	6.00	79.20	6.00	74.35	6.00	70.39	6.00	475.20	18.00		



Western Tel-Com, Inc.
SOM PROJECT ESTIMATE

Quantity Description

2000

3 Drops

HORIZONTAL WIRING

18/2 Sheilded RIB

Quantity Description

2

Wire Removal - Price per Hour

Quantity Description

6 6' x 1.5" Panduit

RISER / FIBER CABLE / FIBER SPLICING

MISCELLANEOUS

Surface Raceway - One Piece Hinged - Plastic Adhesive Backed

Labor \$\$ / Cable

18.00

Material \$ / Cable

42.24

108.00

253.44

Total Project Cost

Zone: 1

# of Cable Runs										
1-24		25-48		49-144		145-336		TOTAL COST		
Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material	
1.47	0.17	0.73	0.31	0.69	0.31	0.65	0.31	\$ 2,940.00	\$ 340.00	
^	^									
Price for Each Item based on Quantity										
1-24		25-48		49-72		72 & Up				
Labor	Material	Labor	Material	Labor	Material	Labor	Material			
66.00	0.00	66.00	0.00	66.00	0.00	66.00	0.00	132.00	-	
Backed		Labor \$\$/ Cable		18.00	Material \$ / Cable		42.24	108.00	253.44	
Total - Labor / Material								\$ 3,180.00	\$ 593.44	
Total Project Cost								\$ 3,773.44		



Western Tel-Com, Inc.
SOM PROJECT ESTIMATE

Quantity Description

1000
3 Drops

HORIZONTAL WIRING

18/6 Sheilded RIB

Quantity Description

4

Wire Removal - Price per Hour

Quantity Description

6 6' x 1.5" Panduit

RISER / FIBER CABLE / FIBER SPLICING

MISCELLANEOUS

Surface Raceway - One Piece Hinged - Plastic Adhesive Backed

Labor \$\$ / Cable

18.00

Material \$ / Cable

42.24

108.00

253.44

Total - Labor / Material

\$ 1,842.00

\$ 763.44

Total Project Cost

\$

2,605.44

Zone:

1

of Cable Runs

1-24		25-48		49-144		145-336		TOTAL COST	
Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material

1.47
^

0.51
^

0.73

0.31

0.69

0.31

0.65

0.31

\$ 1,470.00

\$ 510.00

Price for Each Item based on Quantity

1-24		25-48		49-72		72 & Up	
Labor	Material	Labor	Material	Labor	Material	Labor	Material

66.00

0.00

66.00

0.00

66.00

0.00

66.00

0.00

264.00

-