



October 11, 2017

Cass County Board of Commissioners  
211 9<sup>th</sup> Street South  
Fargo ND 58103

## County Administrator

Robert Wilson  
701-241-5770  
wilsonro@casscountynd.gov

RE: Exterior Security Cameras at Courthouse and Annex

Commissioners:

Several months ago I met with Chief Deputy Mickey Harmon from the Sheriff's Office to discuss installation of camera equipment at the Courthouse and Annex buildings. The quoted price is approximately \$108,000. In addition, an estimated \$10,000 for contracted electrical work will be needed for installation. State law requires bids to be advertised at the \$150,000 threshold.

There are significant benefits to engaging the current vendor for the additional work. First, the current vendor can integrate additional cameras into the existing internal courthouse video system that is monitored by Sheriff deputies at the front desk. In addition to adding the exterior cameras, the quoted work upgrades the analog equipment inside the Courthouse to high definition equipment. The existing analog equipment is quickly becoming obsolete. A different vendor cannot add onto the current system.

If a different system and vendor is utilized, a separate monitor would be required at the security desk and will place an additional burden on deputies because the second system would have unique controls and operating requirements. Colonel Harmon went so far as to say a second, separate system would not be beneficial because the additional responsibilities would outweigh the benefit of added surveillance.

The current cost has been negotiated down from the first quote. I asked Gene Gartner, Buildings and Grounds Supervisor, to follow up with the vendor because I felt the initial quote was too high, and the vendor came back with an 8% price reduction. Also, a second quote was obtained at a significantly lower cost, but it was a much lower quality system and as Gene investigated it, that proposal had several critical flaws.

Respectfully Submitted,

Robert W. Wilson  
County Administrator

SUGGESTED MOTION:

Move to approve the installation of exterior cameras at the Cass County Courthouse and Cass County Annex and because this system is compatible with the current video surveillance system, it is the county's best interest to accept the proposal submitted by Accurate Control Systems and authorize a purchase in the amount of \$108,400.

Box 2806  
211 Ninth Street South  
Fargo, North Dakota 58103

www.casscountynd.gov

August 8<sup>th</sup>, 2017

**RE: Price Proposal for Cass County Courts Building  
BVMS System Upgrade  
Fargo, ND**



326 Blackburn St.  
Ripon, WI 54971  
920.748.6603  
fax 920.748.9397

Video Surveillance System Upgrade

Summary of Scope:

This Proposal is for upgrade of the existing analog video surveillance system with a new Bosch digital video management system. This proposal will upgrade the existing analog DVR recording system with a new server based recording system. Note: This work must come after the security electronic computer upgrade with Wonderware licenses as the new BVMS call ups do not work on XP machines. If security computers are running on windows 7 or newer then disregard this note. This scope of work will include new workstation computers, encoders for analog cameras, network switch, 10 new cameras, and removal of the existing analog Pelco Matrix system. The new system will keep camera callup functionality on the Courts security touchscreens intact. The new system will maintain the same functionality to send video from the Courts building to the Jail as it does now. The owner will be providing and installing West Penn 4246 Series Cat6 cabling to the 10 new camera locations. This quotation does not include necessary lift's to accomplish this scope of work.

This quotation includes adding the following new security electronics equipment.

- (4) Bosch fixed NDE-5503-A IP cameras
- (4) Bosch Mini Dome Mount Kits
- (6) Bosch Panoramic NIN-70122-F0S 12MP cameras
- (10) RJ45 Connectors
- (6) Bosch VJM-8000 Encoders
- (4) Bosch VJM-3000 Decoders
- (1) Bosch MHWS380R9-SCUS Application server
- (2) Bosch DIP-6186-8HD Storage servers
- (83) Bosch camera licenses
- (1) Bosch Professional licenses
- (2) Bosch Workstation licenses
- (3) BCD Video Workstation computers, Gamma series Core I5-6500 8GB RAM Win 10 PRO 275 GB SSD
- (3) 23.6" Monitors with DVI cables
- (1) 48 port Punch down blocks
- (26) Cat6 cables
- (2) Netgear M4100-D12G PoE network switch
- (1) 17" Programming monitor
- (1) Middle Atlantic sliding keyboard shelf

Inclusions:

- All equipment for a complete IP camera recording system.
- System engineering.
- System programming
- Project management.
- Head end equipment installation in existing racks and final terminations.
- Onsite system startup, testing and certification.
- Quotation includes (1) technician on site for 2 weeks for installation.
- Quotation includes (1) day of professional Owner operator, administrative and maintenance training.
- Freight from our facility to the project site included in our quotation.
- As-built drawings

Exceptions:

- It is assumed existing UPS unit shall be reused.
- Spare equipment.
- All work to be completed on 1<sup>st</sup> shift Monday thru Friday 7:30 am to 4:30 pm.
- Some work will require the disruption of normal operations.

- Sales tax on materials.
- New West Penn 4246 Cat6 cabling

Assumptions/Clarifications:

- Prevailing wages do apply.
- ACI has not included new cabling in our proposal. It is assumed facility or local electrical contractor shall install new cabling required. See cabling requirements below.
- New video management recording server is sized to record all cameras for a minimum of 60 days at 15 images per second.
- ACI will send one of our professional training team members to train staff for one full day on the new video management system equipment.

Cabling Requirements for new Equipment included in quotation:

Workstation computers require (1) West Penn 4246 Cat6 per between computer location and CCTV rack.  
Cameras require (1) West Penn 4246 Cat6 per between camera location and CCTV rack.

*Re-Negotiated  
Price* 108,400  
Total Quotation = \$117,519.11

Quotation:

Warranty:

Accurate Controls, Inc. shall guarantee our labor and materials to be free from defects for a period of one (1) year from final acceptance of installation. We shall replace defective materials in a timely fashion after diagnosis. Accurate Controls, Inc. will not replace or warrant hardware which is damaged due to negligence, acts of god or vandalism.

Summary:

Quotation valid for 60 days and subject to change thereafter.

Accurate Controls, Inc. is a national UL508A integrator of the preceding equipment with all of our project coordinators, technicians, and engineers being factory authorized. For more information about Accurate Controls, Inc. please visit our website at [www.accuratecontrols.com](http://www.accuratecontrols.com). If you have any questions, comments or suggestions, please feel free to call me at 920-748-6603 ext. 240.

Respectfully,

*Jeremy Dahlke*

Jeremy Dahlke  
Customer Service Manager  
jdahlke@accuratecontrols.com



# PURCHASE ORDER

PAGE: 1  
 P.O. NO.: 132252  
 DATE: 10/12/17

N.D. Sales Tax Exempt No. E-3009

ACCURATE CONTROLS  
 PO BOX 568  
 326 BLACKBURN ST  
 RIPON, WI 54971

SHIP TO: CASS COUNTY GOVERNMENT  
 COUNTY COORDINATOR  
 211 9TH ST S  
 FARGO, ND 58103

VENDOR NO.		5973			
DELIVER BY	SHIP VIA	F.O.B.	TERMS		
10/12/17			NET		
CONFIRM BY		CONFIRM TO		REQUISITIONED BY	
ROBERT WILSON		HEINLE, SARAH J		ROBERT WILSON	
FREIGHT	CONTRACT NO.	ACCOUNT NO.	PROJECT	REQ. NO.	REQ. DATE
		101-1505-411.47-01		ACCURATECO	10/12/17
LINE NO.	QUANTITY	UOM	ITEM NO. AND DESCRIPTION	UNIT COST	EXTENDED COST
1	1.00	EA	UPGRADE EXISTING VIDEO SURVEILLANCE SYSTEM	08400.0000	108400.00
SUB-TOTAL					108400.00
					108400.00

AUTHORIZED BY \_\_\_\_\_ COUNTY OFFICIAL





# NETWORK CENTER COMMUNICATIONS

**Site Name** **Cass County Court House**  
**Contact Name / Phone** **Terry Schmaltz**  
**Address** **Fargo, ND**

**Exacqvision Quote:**

Install a new video server with Exacqvision licenses and 10 new Samsung cameras. Storage is configured for 30 days. NCC will install, program, cameras and test the equipment and train the end user on its use. More cameras can be added to this server by adding more camera licenses. Cabling between the customer's PoE switches and the cameras will be furnished and installed by the customer but will not be terminated. NCC will terminate the cameras into the switches. A wireless bridge will be constructed between two cameras at the east end of the campus and the customers switch. The customer is responsible for furnishing 110VAC power at the two poles being used for mounting the antennae's and the antennae location on the building. The customer will also furnish an unterminated Cat5e cable run between that location on the building and their switch. NCC will furnish the patch cables and terminate all the bridge antennae into the system, program the bridge and test it. Refer to the accompanying equipment grid and map for each camera, wireless bridge location and type.

Item	Part #	Qty	Price ea.
<b>Cabling and Related</b>			
Scissor Lift - One Week	NS	2	\$ 607.50
CAT5E Leviton Snap In Jack	078477170304	15	\$ 7.22
3 Ft. Patch Cable Cat5E	NA	15	\$ 3.38
6 Ft. Patch Cable Cat5E	NA	15	\$ 6.08
Misc terminations	MISC	15	\$ 13.50
<b>Wireless Bridge Equipment - transmit signal from Camera 8 &amp; 9</b>			
Ubiquity Airmax Antennae - Outdoor, with PoE injector	NSM5	2	\$ 131.09
Ubiquity Rocket Antennae - Outdoor, with PoE injector	AMO-5G10	1	\$ 162.00
Ubiquity Mounting Bracket - Airmax Antennae	UBAM	3	\$ 9.15
Lcom Heated Environmental Enclosure - for Ubiquiti Bridge 14x12x7, 120VAC	NB141207-1HF	2	\$ 296.52
<b>Cameras, Mounting Hardware and Related</b>			
Samsung 4 Megapixel Vandal Outdoor Dome Camera	QNV-7080R	4	\$ 376.04
Samsung Rain/Snow Cap for QNV-7080R (screw into wall mount)	SBP-301HM2	4	\$ 29.70
Vivotek 360 degree 12 Megapixel Outdoo Vandal Dome	FE-8391V	6	\$ 1,181.25
Vivotek Rain/Snow Cap for FE-8391V Camera	AM-218/AM-520	6	\$ 128.25
Vivotek Pole Mount Adaptor	AM-312	1	\$ 61.36
Samsung Wall Mount	SBP300WM1	4	\$ 47.99
Samsung Pole Mount Adaptor	SBP300PM	2	\$ 47.99
<b>Video Server /Software and Related</b>			
EXACQ VIDEO SERVER 30TB (23 usable) Drive w RAID5- Rack Mount. Five-Year Warranty	Q96446	1	\$ 5,400.00
EXACQ CAMERA SOFTWARE 1 Camera	EVIP-01	10	\$ 126.23
Altronix eBridge Kit (convert coax to IP data transmission)	eBridgeKit	2	\$ 275.40
<b>Total Materials</b>			<b>\$19,754.59</b>

**Total Materials and Labor** **\$27,504.59**

This Quote Pricing Is good for 30 Days **Plus Tax**  
 Cable prices however are subject to change without notice.  
 50% Down Payment required upon signing, Balance due upon completion.  
 Any additional wiring or equipment that is not specified on this contract will be billed on Time and Materials basis unless otherwise specified.

Acceptance signature \_\_\_\_\_ Date \_\_\_\_\_

Mark Petersen 7/20/2017

2536 West Main Ave. Fargo ND 58078 Date  
 Phone (701) 235-8100 Toll Free (800) 414-5061  
 Fax (701) 499-5700  
 www.nccomm.net



# NETWORK CENTER COMMUNICATIONS

**Site Name** *Cass County Court House*  
**Contact Name / Phone** *Terry Schmaltz*  
**Address** *Fargo, ND*

**Pelco Quote:**

*Install a new video server with Pelco licenses and 10 new Pelco cameras. Storage is configured for 30 days. NCC will install, program, cameras and test the equipment and train the end user on its use. More cameras can be added to this server by adding more camera licenses. Cabling between the customer's PoE switches and the cameras will be furnished and installed by the customer but will not be terminated. NCC will terminate the cameras into the switches. A wireless bridge will be constructed between two cameras at the east end of the campus and the customers switch. The customer is responsible for furnishing 110VAC power at the two poles being used for mounting the antennae's and the antennae location on the building. The customer will also furnish an unterminated Cat5e cable run between that location on the building and their switch. NCC will furnish the patch cables and terminate all the bridge antennae into the system, program the bridge and test it. Refer to the accompanying equipment grid and map for each camera, wireless bridge location and type.*

Item	Part #	Qty	Price ea.
<b>Cabling and Related</b>			
Scissor Lift - One Week	NS	2	\$ 607.50
CAT5E Leviton Snap In Jack	078477170304	15	\$ 7.22
3 Ft. Patch Cable Cat5E	NA	15	\$ 3.38
6 Ft. Patch Cable Cat5E	NA	15	\$ 6.08
Misc terminations	MISC	15	\$ 13.50
<b>Wireless Bridge Equipment - transmit signal from Camera 8 &amp; 9</b>			
Ubiquity Airmax Antennae - Outdoor, with PoE injector	NSM5	2	\$ 131.09
Ubiquity Rocket Antennae - Outdoor, with PoE injector	AMO-5G10	1	\$ 162.00
Ubiquity Mounting Bracket - Airmax Antennae	UBAM	3	\$ 9.15
Lcom Heated Environmental Enclosure - for Ubiquiti Bridge 14x12x7, 120VAC	NB141207-1HF	2	\$ 296.52
Misc terminations	MISC	0	\$ 13.50
<b>Cameras, Mounting Hardware and Related</b>			
Pelco Sarix Outdoor Minidome 3Megapixel	IME329-1ES	4	\$ 840.04
Pelco Rain/Snow Cap Sarix IME329 (screw into wall mount)	IMEPM-E	4	\$ 82.15
Pelco Wall Mount for IME Camera	WMVE-SR	4	\$ 49.61
Pelco Evolution 360 Degree 12 Megapixel Outdoor Dome Camera	EVO-12NND	6	\$ 1,319.76
Pelco Rain/Snow Cap for EVO Camera	OBE-01-OBA	6	\$ 60.41
Pelco Wall Mount for EVO Camera	OBE-04-OBA	6	\$ 131.76
Pelco Pole Mount Adaptor	OBE-03-OBA (Black)	2	\$ 129.60
<b>Video Server /Software and Related</b>			
DS SERVER2 W/RAID, 24TB - 17 Usable - Control Point Client, 4 port analog host card. Three Year Warranty	DSSRV2-240RD-US	1	\$ 13,078.80
DS CAM LIC FEE FOR IP CAMERAS	DS-SW-CAM	10	\$ 126.23
Altronix eBridge Kit (convert coax to IP data transmission)	eBridgeKit	2	\$ 275.40

**Total Materials** \$30,822.09

**Total Materials and Labor** **\$38,572.09**

This Quote Pricing is good for 30 Days Plus Tax  
 Cable prices however are subject to change without notice.  
 50% Down Payment required upon signing, Balance due upon completion.  
 Any additional wiring or equipment that is not specified on this contract will be billed on Time and Materials basis unless otherwise specified.

Acceptance signature \_\_\_\_\_ Date \_\_\_\_\_

Mark Petersen 7/20/2017

Submitted By \_\_\_\_\_ Date \_\_\_\_\_

2536 West Main Ave. Fargo, ND 58078  
 Phone (701) 235-8100 Toll Free (800) 414-5061  
 Fax (701) 499-5700  
 www.nccomm.net

2017 Projects:  
Annex Maintenance Budget

<b>Original Budget:</b>	\$	158,000.00
Total Amount Spent: (10/11/17)	\$	13,871.13
RBB Lighting (Annex Parking Lot)	\$	8,600.00
Accurate Controls - Courthouse Cameras	\$	108,400.00
Courthouse Camera - Electrical Install	\$	10,000.00

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Total Remaining Available: \$ 17,128.87

Accurate Controls quote - 8% cut from original  
Gene's Estimate