

# CITY OF MINNETRISTA



## CITY COUNCIL AGENDA ITEM

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**Subject:** City Facility Security Camera and Card Access Discussion

**Prepared By:** Jasper Kruggel, City Administrator  
Craig Squires, Deputy Police Chief

**Meeting Date:** March 17, 2025

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**Issue:** The City of Minnetrista’s security camera and access control system has reached end of life, requiring direction on updates.

**Overview:** Installed in 2016 with USA Security’s support, the system’s access control software (ACC5) reached end of life in 2018, and its server hardware and operating system followed in 2023. USA Security provides as-needed support, but the system hardware is unsupported by the manufacturers and uses outdated analog cameras. In 2020, the City Council directed staff to use it until failure; it is now nearing that point.

**Options from USA Security:**

- Option 1: Update hardware (cameras/keypads) and maintain an on-premises server.
- Option 2: Update hardware (cameras/keypads) and adopt a cloud-based SaaS solution.

Chris Dainels from USA Security will present details at the meeting.

Chris Dainels will be presenting the history and options for this exercise at the meeting.

**Financing Options:**

- 2025: Authorize the project and pair a 5-year equipment certificate with the water treatment plant bond sale for timely completion.
- 2026: Authorize the project, budget accordingly, and pair a 5-year equipment certificate with the 2026 Street Improvement Project bond sale.

Funding will be split between the general fund and enterprise funds based on item locations.

A “do nothing” option risks failure, which is not advised. The BCA recommends recording devices in booking and interview rooms—likely a future mandate—and Public Safety deems this system essential. Action is preferred over waiting.

**Mission Statement:**

The City of Minnetrista will deliver quality services in a cost effective and innovative manner and provide opportunities for a high quality of life while protecting natural resources and maintaining a rural character.

Attachment:  
USA Security quote.

**Recommended City Council Action:** Staff is requesting direction on how to proceed related to the maintenance of the current camera and card access system at City of Minnetrista facilities. Depending on that direction, there may be future City Council action required.

**Mission Statement:**

The City of Minnetrista will deliver quality services in a cost effective and innovative manner and provide opportunities for a high quality of life while protecting natural resources and maintaining a rural character.

**USA Security, Inc.**

Phone: (952) 829-5919

Fax: (952) 829-5861

6251 Bury Drive  
Eden Prairie, MN 55346**Quote**No.: **35087**

Date: 2/21/2025

Prices are firm until: 3/23/2025

Prepared for:

City of Minnetrista  
7701 County Road 110W  
Minnetrista, MN 55364 USA

Prepared by: Chris Daniels

Account No.: 15513

Phone: (952) 446-1660

Description	Quantity
<b>BUDGET PROPOSAL to replace current server based video with a fully integrated cloud system.</b>	
<b>Current server is end of life and cannot be upgraded.</b>	
<b>Moving to a cloud system allows Minnetrista to future proof against end of life servers</b>	
<b>Cloud system eliminates expensive single point of failure in a video server</b>	
<b>Cloud system is expansion proof, as every device provides its own storage.</b>	
<b>Calls for hardware refresh of all city security hardware</b>	
<b>Video, access control, intercoms, and panic alarms all in single dashboard / login.</b>	
<b>System design based on site visit with Mud and with Public works department.</b>	
<b>Expands camera coverage to public works pump houses</b>	
<b>expands camera and card access to water towers</b>	
<b>Minnetrista PD</b>	
<b>--cameras--</b>	
<b>Replacement of all camera locations with updated cameras.</b>	
<b>Replace single lens exterior camera with multi sensor cameras</b>	
<b>Per pending DOC regs, install SMP cameras in all holding areas</b>	
<b>Per pending body camera update, verkada command clips integrate with Axon video evidence</b>	
Verkada CH52-E Outdoor Multisensor Camera, 4x5MP, Zoom Lens, 1TB of Storage, Maximum 30 Days of Retention	4
Verkada Corner Mount	4
Verkada Arm Mount	4
Verkada Pendant Cap Mount	4
Verkada CF83-E Outdoor Fisheye Camera, 12MP, Fixed Lens, 512GB of Storage, Maximum 30 Days of Retention	9
Verkada CD43-E Outdoor Dome Camera, 5MP, Fixed Lens, 256GB of Storage, Maximum 30 Days of Retention	4
Verkada Arm Mount	1
Verkada Pendant Cap Mount	1
<b>Door monitor in garage</b>	
Full motion 1-arm 19" Wall Mount Bracket 32-55" TVs, narrow plate, black	1
Monitor, Vizio, 40", Class Smart TV	1
D1110 4K Video Decoder	1
<b>----Card Access System---</b>	
<b>Replace all readers with Verkada Command readers. Allows doors to be unlocked through camera screen, so operators can see who is at the door when they unlock.</b>	

**Quote**No.: **35087**

Date: 2/21/2025

Description	Quantity
<b>Allows mobile credentials in addition to existing fobs and pin codes</b>	
<b>replicates existing ADA openings and Man Traps</b>	
Verkada AD34 Multi-format Card Reader	26
Verkada AD64 Multi-format, Single Gang Card Reader with Keypad	15
Verkada AC62 16 Door Controller	3
<b>replace foyer card reader with intercom card reader combo.</b>	
<b>Allows desk staff to communicate with deliveries / drop offs and remote unlock the door</b>	
TD33 Mullion Video Intercom Reader	1
Verkada 18AH Backup Battery for AC62	3
Managed Gigabit PoE++ Switch, 24 Ports 10/100/1000Base-T PoE++ and 2 100/1000 SFP/RJ-45 Combo Port, Dual Power Supply Modulars	2
Power Supply Charger with Multi-Output Access Power Controller 12 or 24VDC at 6 AMP, PTC Protected Outputs	6
Mantrap and ada relays	7
Misc. Rack Screws, etc.	1
MISC Connectors and Materials	1
Wire CAT5e 1000' Box, Green, Plenum	8
Install Labor	176
Labor:Production	16
Project Management, Inventory, Planning, Documentation, Misc.	1
Training	1
Verkada 1-Year Door License Subscription	42
Verkada 1-Year CH52 Multisensor Camera License Subscription	4
Verkada 1-Year Camera License Subscription	13
Verkada 1-Year Intercom License Subscription	1
<b>Minnetrista PD</b>	<b>\$116,159.00</b>

**City Hall****--cameras--****Replacement of all camera locations with updated cameras.****Replace single lens cameras on exterior with multi sensor cameras**

Verkada CH52-E Outdoor Multisensor Camera, 4x5MP, Zoom Lens, 1TB of Storage, Maximum 30 Days of Retention	2
Verkada Corner Mount	2
Verkada Arm Mount	2
Verkada Pendant Cap Mount	2
Verkada CF83-E Outdoor Fisheye Camera, 12MP, Fixed Lens, 512GB of Storage, Maximum 30 Days of Retention	2
Verkada CM42 Indoor Mini Dome Camera, 5MP, Fixed Lens, 256GB of Storage, Maximum 30 Days of Retention	4

**----Card Access System---****Replace all readers with Verkada Command readers. Allows doors to be unlocked through camera screen, so operators can see who is at the door when they unlock.****Allows mobile credentials in addition to existing fobs**

Verkada AD34 Multi-format Card Reader	1
Verkada AC62 16 Door Controller	1
Verkada 18AH Backup Battery for AC62	1

**Quote**No.: **35087**

Date: 2/21/2025

Description	Quantity
<b>--- Alarm System---</b>	
<b>Replace panic alarms in council chambers. New panic alarms tie to cameras</b>	
Verkada WH52 Wireless Hub (New Alarms, US only)	1
Verkada BR33 Wireless Panic Button	2
Managed Gigabit PoE++ Switch, 24 Ports 10/100/1000Base-T PoE++ and 2 100/1000 SFP/RJ-45 Combo Port, Dual Power Supply Modulars	1
Power Supply Charger with Multi-Output Access Power Controller 12 or 24VDC at 6 AMP, PTC Protected Outputs	2
Misc. Rack Screws, etc.	1
MISC Connectors and Materials	1
Wire CAT5e 1000' Box, Green, Plenum	4
Install Labor	80
Labor:Production	8
Project Management, Inventory, Planning, Documentation, Misc.	1
Training	1
Verkada 1-Year Door License Subscription	11
Verkada 1-Year CH52 Multisensor Camera License Subscription	2
Verkada 1-Year Camera License Subscription	1
Verkada 1-Year Advanced Video Alarms License for 1 Site (New Alarms, US only), Capacity Increase	1
<b>City Hall</b>	<b>\$42,701.00</b>
<b>Public works building</b>	
<b>Cameras only</b>	
Verkada CH52-E Outdoor Multisensor Camera, 4x5MP, Zoom Lens, 1TB of Storage, Maximum 30 Days of Retention	2
Verkada Corner Mount	2
Verkada Arm Mount	2
Verkada Pendant Cap Mount	2
Verkada CF83-E Outdoor Fisheye Camera, 12MP, Fixed Lens, 512GB of Storage, Maximum 30 Days of Retention	2
Verkada Pendant Cap Mount	2
8U Security Wall Rack Enclosure	1
Managed, Hardened Gigabit Ethernet PoE+ Rack Mountable Switch	1
AirMax GigaBeam Plus 60 GHz Radio	2
MISC Connectors and Materials	1
Wire CAT5e 1000' Box, Green, Plenum	2
Install Labor	32
Labor:Production	2
Project Management, Inventory, Planning, Documentation, Misc.	1
35' Rough Terrain Scissor Lift, pickup, & dropoff (WEEK)	1
Verkada 1-Year CH52 Multisensor Camera License Subscription	2
Verkada 1-Year Camera License Subscription	2
Training	1
<b>Public works building</b>	<b>\$20,704.00</b>
<b>S Water Treatment</b>	
<b>Replace access control system (2)</b>	
<b>Add intercom reader to water tower</b>	
<b>Install cameras on interior and exterior</b>	
Verkada AC42 4 Door Controller	1
Rechargable battery, 7.0Ah, 12	2

**Quote**No.: **35087**

Date: 2/21/2025

Description	Quantity
Verkada AD34 Multi-format Card Reader	2
Verkada TD53 Video Intercom Reader	1
Verkada TD53/TD63 Rain Hood	1
Verkada TD53 Conduit Mount	1
7400 Ultraline Strike	1
4590 Deadlatch Paddle, Push to Right, Satin Aluminum	1
Request to Exit PIR White	1
Industrial Wide Gap CL 36" Armored Cable, 3" Gap	1
18" Armored Door Cable w/Block Ends	1
Verkada CF83-E Outdoor Fisheye Camera, 12MP, Fixed Lens, 512GB of Storage, Maximum 30 Days of Retention	1
Verkada Corner Mount	1
Verkada Arm Mount	1
Verkada Pendant Cap Mount	1
Verkada CB52-E Outdoor Bullet Camera, 5MP, Zoom Lens, 256GB of Storage, Maximum 30 Days of Retention	2
Verkada CD43-E Outdoor Dome Camera, 5MP, Fixed Lens, 256GB of Storage, Maximum 30 Days of Retention	4
Verkada Arm Mount	4
Verkada Pendant Cap Mount	4
Verkada 1-Year Intercom License Subscription	1
Verkada 1-Year Door License Subscription	1
Verkada 1-Year Camera License Subscription	1
8U Security Wall Rack Enclosure	1
16 Port, SMART MANAGED PoE+ Switch, 250 Watts, 10/100/1000Base-T PoE+ and 2 100/1000	1
MISC Connectors and Materials	8
Wire CAT5e 1000' Box, Green, Plenum	5
Install Labor	80
Labor:Production	4
Project Management, Inventory, Planning, Documentation, Misc.	1
Training	1
<b>S Water Treatment</b>	<b>\$29,709.00</b>

**N Water Treatment****Replace access control system (3****Install cameras on interior and exterior**

Verkada AC42 4 Door Controller	1
Rechargeable battery, 7.0Ah, 12	1
Verkada AD34 Multi-format Card Reader	3
Verkada CF83-E Outdoor Fisheye Camera, 12MP, Fixed Lens, 512GB of Storage, Maximum 30 Days of Retention	1
Verkada Corner Mount	1
Verkada Arm Mount	1
Verkada Pendant Cap Mount	1
Verkada CB52-E Outdoor Bullet Camera, 5MP, Zoom Lens, 256GB of Storage, Maximum 30 Days of Retention	2
Verkada CD43-E Outdoor Dome Camera, 5MP, Fixed Lens, 256GB of Storage, Maximum 30 Days of Retention	3
Verkada Arm Mount	3

**Quote**No.: **35087**

Date: 2/21/2025

Description	Quantity
Verkada Pendant Cap Mount	3
Verkada 1-Year Door License Subscription	3
Verkada 1-Year Camera License Subscription	3
8U Security Wall Rack Enclosure	1
8 PORT , SMART MANAGED SWITCH, 1G POE Plus, 130 Watts +2-PORT 100/1000SFP	1
MISC Connectors and Materials	6
Wire CAT5e 1000' Box, Green, Plenum	3
Install Labor	64
Labor:Production	4
Training	1
<b>N Water Treatment</b>	<b>\$22,295.00</b>

**Well House 3****Intercom Card Reader****Install cameras (2)****Cellular radio and services**

Verkada AC12 1 Door Controller	1
Verkada TD53 Video Intercom Reader	1
Verkada TD53/TD63 Rain Hood	1
Verkada TD53 Conduit Mount	1
4500 Series Complete Strike Pack - 12/24VD (629 Finish-Bright Stainless Steel	1
Request to Exit PIR White	1
Industrial Wide Gap CL 36" Armored Cable, 3" Gap	1

Verkada CF83-E Outdoor Fisheye Camera, 12MP, Fixed Lens, 512GB of Storage, Maximum 30 Days of Retention	1
Verkada Corner Mount	1
Verkada Pendant Cap Mount	1
Verkada Pendant Cap Mount	1

Verkada CB52-E Outdoor Bullet Camera, 5MP, Zoom Lens, 256GB of Storage, Maximum 30 Days of Retention	1
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Verkada 1-Year Intercom License Subscription	1
Verkada 1-Year Door License Subscription	1
Verkada 1-Year Camera License Subscription	2

Verkada GC31 Cellular Gateway, Outdoor	1
Verkada 1-Year Cellular Gateway License Subscription, Includes Unlimited Data for Verkada Non-Video Devices	1
Verkada 1-Year Cellular Gateway Data Plan, Includes Unlimited Data for 1 Verkada Video Device	3

8U Security Wall Rack Enclosure	1
8 PORT , SMART MANAGED SWITCH, 1G POE Plus, 130 Watts +2-PORT 100/1000SFP	1
MISC Connectors and Materials	3
Wire CAT5e 1000' Box, Green, Plenum	1
Install Labor	32
Labor:Production	4
Project Management, Inventory, Planning, Documentation, Misc.	1
Training	1

<b>Well House 3</b>	<b>\$17,501.00</b>
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**Sunnyfield watertower**

**Quote**No.: **35087**

Date: 2/21/2025

Description	Quantity
<b>Intercom Card Reader</b>	
<b>Install cameras (1)</b>	
<b>Cellular radio and services</b>	
Verkada AC12 1 Door Controller	1
Verkada TD53 Video Intercom Reader	1
Verkada TD53/TD63 Rain Hood	1
Verkada TD53 Conduit Mount	1
7400 Ultraline Strike	1
4590 Deadlatch Paddle, Push to Right, Satin Aluminum	1
Request to Exit PIR White	1
Industrial Wide Gap CL 36" Armored Cable, 3" Gap	1
18" Armored Door Cable w/Block Ends	1
Verkada CB52-E Outdoor Bullet Camera, 5MP, Zoom Lens, 256GB of Storage, Maximum 30 Days of Retention	1
Verkada 1-Year Intercom License Subscription	1
Verkada 1-Year Door License Subscription	1
Verkada 1-Year Camera License Subscription	1
Verkada GC31 Cellular Gateway, Outdoor	1
Verkada 1-Year Cellular Gateway License Subscription, Includes Unlimited Data for Verkada Non-Video Devices	1
Verkada 1-Year Cellular Gateway Data Plan, Includes Unlimited Data for 1 Verkada Video Device	2
8U Security Wall Rack Enclosure	1
8 PORT , SMART MANAGED SWITCH, 1G POE Plus, 130 Watts +2-PORT 100/1000SFP	1
MISC Connectors and Materials	2
Wire CAT5e 1000' Box, Green, Plenum	1
Install Labor	32
Labor:Production	4
Project Management, Inventory, Planning, Documentation, Misc.	1
Training	1
<b>Sunny Field Water Tower</b>	<b>\$14,573.00</b>

**Kings Point Water Tower****Intercom Card Readers (2)****Install cameras (2)****Cellular radio and services****Future expandability to gate arm**

Verkada AC42 4 Door Controller	1
Rechargeable battery, 7.0Ah, 12	1
Power Supply Charger with Multi-Output Access Power Controller 12 or 24VDC at 6 AMP, PTC Protected Outputs	1
Verkada TD53 Video Intercom Reader	2
Verkada TD53/TD63 Rain Hood	1
Verkada TD53 Conduit Mount	2
Request to Exit PIR White	2
Industrial Wide Gap CL 36" Armored Cable, 3" Gap	2
Verkada CB52-E Outdoor Bullet Camera, 5MP, Zoom Lens, 256GB of Storage, Maximum 30 Days of Retention	2
Verkada 1-Year Intercom License Subscription	2
Verkada 1-Year Door License Subscription	2
Verkada 1-Year Camera License Subscription	2
Verkada GC31 Cellular Gateway, Outdoor	1



**Quote**No.: **35087**Date: **2/21/2025**

Description	Quantity
Verkada 1-Year Cellular Gateway License Subscription, Includes Unlimited Data for Verkada Non-Video Devices	1
Verkada 1-Year Cellular Gateway Data Plan, Includes Unlimited Data for 1 Verkada Video Device	4
8U Security Wall Rack Enclosure	1
8 PORT , SMART MANAGED SWITCH, 1G POE Plus, 130 Watts +2-PORT 100/1000SFP	1
MISC Connectors and Materials	2
Wire CAT5e 1000' Box, Green, Plenum	2
Install Labor	32
Labor:Production	4
Project Management, Inventory, Planning, Documentation, Misc.	1
Training	1
<b>Kings Point Water Tower</b>	<b>\$20,690.00</b>

**Bundled Savings****Available discounts and savings if all done at one time**

Labor Overrun	48
pre-build / production Overrun	26
project management overrun	1
Bulk Equipment Discount	1

**Bundled savings** **(\$17,335.00)**

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**Your Price:** **\$266,997.00**

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**Total:** **\$266,997.00**

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**Accepted by:** \_\_\_\_\_ **Date:** \_\_\_\_\_**Disclaimer**

Taxes and local state/county fees are the responsibility of the customer. This quote is for estimation purposes and is not a guarantee of cost for services. Quote is based on current information from client and the project requirements. Actual cost may change once project elements are finalized or negotiated. Door hardware: This quote/proposal is based on the good faith that all doors and its mechanical hardware are in a working and properly adjusted condition. // Fire Life Safety Considerations: Unless specifically stated in this quote it is assumed that customer (client) will pull and/or request the fire permit and inspection if required for the work quoted. // High Voltage Considerations: Unless specifically stated in this quote it is assumed the customer (client) will schedule necessary high voltage work with a qualified electrician and ensure any local permitting has been addressed as/if needed. // Drywall patching or painting is not included. Trenching is not included. If paying this quote by method of credit card, there will be an additional 2% charged for processing fees.