

Remit To:

CDW Government LLC  
75 Remittance Drive, Suite 1515  
Chicago, IL 60675-1515  
United States



CITY OF AURORA  
Attn: Purchasing  
44 E Downer Pl  
Aurora, IL 60505-3302  
United States

Page: 1  
Invoice No: CH2208334  
Invoice Date: 05/20/2022  
Due Date: 06/19/2022  
PO: 292812  
Client Number: 1215978  
Attention to: damigon@cdwg.com

Date	Item Description	Price	UOM	QTY	Net Amount
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**Professional Services**

**Project: City of Aurora, IL-2019.12-APD HQ Security System**

**Task: Field Engineer**

**Tim McHugh-P**

05/16/2022	<ul style="list-style-type: none"> <li>• Field Engineering efforts beyond the initial scope include:               <ul style="list-style-type: none"> <li>o Mapping locations of existing switch ports and network connections.</li> <li>o Tracing out the 25 pair cabling between Creative and the existing Lenel panels in rooms B-136, C-122 and TAS-154 in order to confirm cable routes and functions.</li> <li>o Repairing door hardware on ten existing doors in order to get them functioning properly.</li> <li>o 20 existing keypad readers required cleaning of contacts and 2 also required repair of solenoids to get back into proper working condition.</li> <li>o Approximately 100 hours of cable tracing throughout the building, to confirm existing camera cable labelling.</li> <li>o Researching how to program the new IP addresses into the existing cameras that were not replaced when camera passwords did not allow this updating to occur as normal.</li> <li>o 15% of the existing cameras failed to come back on-line after the new IP addresses were entered into the camera. Effort was then spent to factory default those cameras in order to bring them back to working order.</li> <li>o CoA upgraded existing switch firmware in the middle of the cut-over process in October 2021, which lead to re-programming firmware on all door hardware control panels.</li> <li>o Efforts to bring cameras on-line after the 12/8/2021 power outage where the emergency generator failed to start and transfer power to the building. All cameras had to be un-plugged and re-plugged into their switch ports.</li> <li>o While moving cameras to the new security V-Lan, there were multiple instances in which it took up to 45 minutes to bring the new camera view up on the switch port.</li> <li>o Efforts above and beyond those anticipated in the original quote have been spent revising the employee access control database managing card holder information and access groups.</li> <li>o Updating BIOS, Windows 10, and Video Card software versions on</li> </ul> </li> </ul>	150.00	HR	524.00	78,600.00
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Date	Item Description	Price	UOM	QTY	Net Amount
	all 19 pieces of Genetec hardware provided for project.,				
		<b>Subtotal for: Tim McHugh-P</b>		<b>524.00</b>	<b>78,600.00</b>
		<b>Subtotal for: Field Engineer</b>		<b>524.00</b>	<b>78,600.00</b>
<b>Task: Partner Project Manager</b>					
<b>Tim McHugh-P</b>					
05/16/2022	<ul style="list-style-type: none"> <li>• Additional Project Management effort beyond the initial scope includes:               <ul style="list-style-type: none"> <li>o The project was anticipated to take 10-12 months to complete. The project has actually taken an additional 10 months to complete. This request is for an additional 4 hours of P</li> <li>roject management time per week for those 10 months.</li> <li>o The city was asked to provide answers to 12 questions to allow CDW/Quantum to plan the work inside the APD. Multiple coordination sessions were held with APD and City staff to outline how work would proceed inside the active police station without disrupting daily operations. Quantum produced a detailed schedule and made several revisions to clarify activities as requested. This effort required multiple months to accomplish prior to being able to</li> <li>change access control hardware in the building.</li> <li>o Due to changes in State Police ID requirements, the City needed to re-badge all employees with access to APD. This effort required Quantum to re-gather and redeploy the database information in the e new</li> <li>Genetec solution.</li> <li>o Throughout this extended timeframe, Quantum met twice a week with the PM from the City, in addition to other PM duties required to accomplish the work.</li> <li>o Updating BIOS, Windows 10, and Video Card software versions on all 19 pieces o</li> <li>f Genetec hardware provided for project.</li> <li>o As Built Documents – Drawings of replaced cameras,</li> <li>o One (1) Day, 8 hours of Training ,</li> </ul> </li> </ul>	150.00	HR	282.00	42,300.00
		<b>Subtotal for: Tim McHugh-P</b>		<b>282.00</b>	<b>42,300.00</b>
		<b>Subtotal for: Partner Project Manager</b>		<b>282.00</b>	<b>42,300.00</b>
<b>Task: Project Manager</b>					
<b>Megan Finnerty</b>					
02/25/2022	Month of February: Various project/administrative communications and activities, organization; Produced and assessed project partner stakeholder time; ,Organized and created change order documentation for appropriate stakeholder distribution and signatur	180.00	HR	5.00	900.00
03/25/2022	Month of March: Various project/administrative communications and activities, organization; Produced and assessed project partner stakeholder time; ,Organized and created change order documentation for appropriate stakeholder distribution and signature	180.00	HR	5.00	900.00
04/29/2022	Month of April: Various project/administrative communications and activities, organization; Produced and assessed project partner stakeholder time; ,Organized and created change order documentation for appropriate stakeholder distribution and signature,,	180.00	HR	4.00	720.00
05/20/2022	Month of May: Organized and created change order documentation for appropriate stakeholder distribution and signature; Organized and finalized project	180.00	HR	4.00	720.00

Date	Item Description	Price	UOM	QTY	Net Amount
	documentation and billing hours; completed all project close out activities				
		<b>Subtotal for: Megan Finnerty</b>		<b>18.00</b>	<b>3,240.00</b>
		<b>Subtotal for: Project Manager</b>		<b>18.00</b>	<b>3,240.00</b>
<b>Task: Senior Engineer</b>					
<b>Tim McHugh-P</b>					
05/16/2022	• Senior Engineering design effort in April and May of 2020 related to 4 additional site walks revising the proposed camera locations at Water & Sewer, DSC and APD, to incorporate end user input along with subsequent revisions to the Bill of Materials for each site to get approval to order the material agreed upon during the final walk throughs.	180.00	HR	25.50	4,590.00
		<b>Subtotal for: Tim McHugh-P</b>		<b>25.50</b>	<b>4,590.00</b>
		<b>Subtotal for: Senior Engineer</b>		<b>25.50</b>	<b>4,590.00</b>
	<b>Subtotal for: City of Aurora, IL-2019.12-APD HQ Security System</b>			<b>849.50</b>	<b>128,730.00</b>
<b>Professional Services</b>					<b>128,730.00</b>
Sub Total:					128,730.00
Sales Tax:					0.00
<b>Amount Due</b>					<b>128,730.00</b>

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