



---

PHOENIX

TUCSON

---

**Project Name**  
**City of El Mirage – Public Works Access Control & Video Surveillance (Budget)**

**Presented To**



**Proposal/and Scope of Work**

Due Date:  
12/12/2023

***Respectfully Submitted By:***  
***Curtis Johnson***  
***O: (480) 377 - 0225 Ext:238***  
***M: (602) 397-0688***  
[cjohnson@ctscabbling.com](mailto:cjohnson@ctscabbling.com)

**Corporate Technology Solutions, LLC**  
1971 E 5<sup>th</sup> St., Ste 111  
Tempe, AZ 85281  
O: 480-377-0225  
[www.ctscabbling.com](http://www.ctscabbling.com)

Structured Cabling • Fiber Optic • Access Control • Intrusion Detection • Video Surveillance • Audio/Video • Intercom/Paging

CTS Corporate Office: 1971 E ST., Ste 111, Tempe, AZ 85281

---

**SCOPE OF WORK**


---

CTS will provide and install access control and video surveillance at the new Public Works building.

**Access Control:**

Per the currently provided plans there will be a total of (7) access control door locations per sheet E1.0 revision 08-09-23. Per the division 08-7100 specifications electrified hardware will be provided by others. CTS will provide and install the card readers, door contacts, and request to exit motion sensors. All access control door hardware can be powered via the access control system from the I.T. room. All necessary conduit pathways are to be provided and installed by others.

IDF- A new Life Safety enclosure with power supplies, Lenel 2220 controller, and 1320 reader interface modules will be installed. Network connection for the controller will be required by IT for connection to existing Lenel server.

		<u>Set: 1.0</u>		
Doors: 01A, 16A, 16B, 20A				
1 Continuous Hinge	DFM_SLF-HD1			PE
1 Rim Exit Device	P8800	313		AD
1 Cylinder Escutcheon	8650	121		AD
1 Rim Cylinder	64 34		US10B	SA
1 Final Keyed Core	6300 LA keyway MK	US4		SA
1 Electric Strike	9600	613		HS
1 Offset Door Pull	BF 195 18" x Santoprene Grip (mounting w/Decor Cap)	US10B		RO
1 Surface Closer/Stop	351 CPS	EB		SA
1 Threshold	271D			PE
1 Gasketing	Provided by Frame Manufacturer			
1 Sweep	315DN			PE
1 Frame Harness	QC-C1500P (as required)			MK
1 Card Reader	Provided by Security Integrator			OT
1 Power Supply	Provided by Security Integrator			

**Notes: System's Operation:**

- Doors normally closed and locked.
- Entry by presenting proper credentials to card reader to unlock electric device and then relock.
- Free egress at all times.

**Set: 3.0**

**Doors: 01B, 13, 21A**

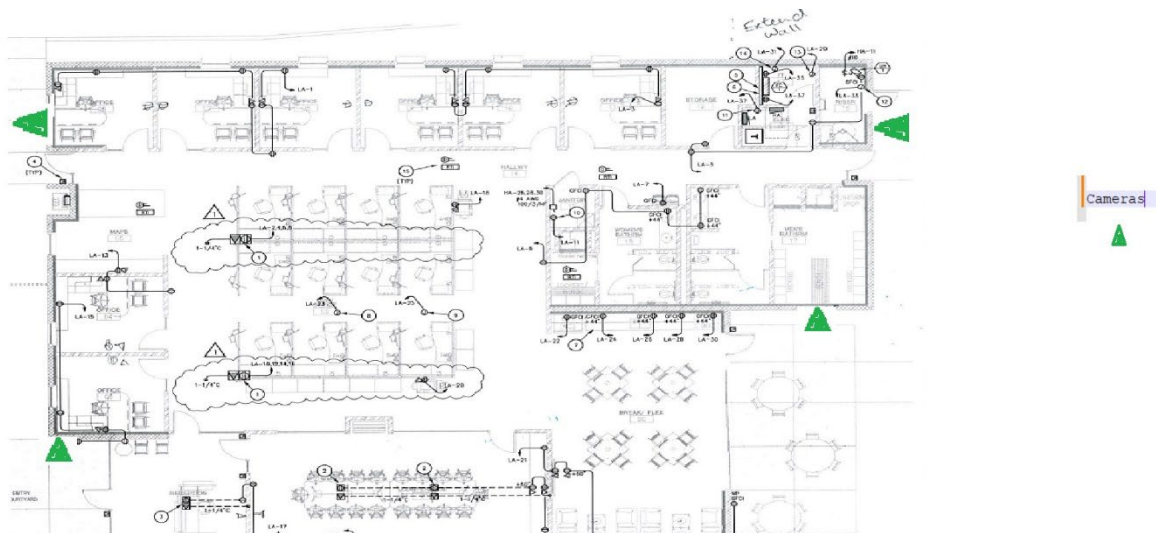
4 Hinge (Heavy Weight)	T4A3786	US26D MK
1 Storeroom Lock	64 10XG04 LL	US26D SA
1 Final Keyed Core	6300 LA keyway MK	US15 SA
1 Electric Strike	4500C-LBM	630 HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Surface Closer RA	351 O	EN SA
1 Wall Stop	403	US26D RO
1 Gasketing	Provided by Frame Manufacturer	
1 Frame Harness	QC-C1500P (as required)	MK
1 Card Reader	Provided by Security Integrator	OT
1 Power Supply	Provided by Security Integrator	

**Notes: System's Operation:**

- Doors normally closed and locked.
- Entry by presenting proper credentials to card reader to unlock electric device and then relock.
- Free egress at all times.

**Video Surveillance:**

CTS will provide and install (4) Exterior cameras per the owner provided plans. A Milestone license has been included for adding cameras to the existing Milestone server at the City Hall.



Once all devices are installed, they will be programmed and tested.

**Assumptions/Exclusions:**

- All work will be performed during normal business hours unless otherwise required.
- All electrified hardware by Div. 08-7100.
- Additional Lenel Reader licenses are excluded.
- Any intercoms are excluded.
- All conduit pathways by others.
- All 120V by others.

- All network parameters by others.

---

## PROVISIONS

---

All OSP (outside plant cabling) are estimates only. CTS will verify the actual lengths prior to installation with true tape and provide a credit or cost impact document before the installation.

Any additional work not specified in this scope of work or any additional work request from customer will result in a CTS change order.

This proposal pricing is good for a period of 30 days unless otherwise noted.

Where material prices fluctuate, CTS reserves the right to adjust pricing if there are changes in material pricing. Written documentation from our suppliers to verify this condition can be provided.

Customer is responsible for any freight charges if the customer requests an expedited time frame.

CTS will require a project schedule showing all times the facility will be available. Including but not limited to, facility events, closures or limitations that may affect continuous work. Without a schedule, there is no way for CTS to commit to an end date for completion. Delays in the schedule will delay the completion date. Any requested overtime to improve the completion date will constitute a change order.

Any schedule changes or project delays due to work areas not being available during the scheduled time, and or any other interruptions outside of CTS control, including but not limited to delay by other trades or customer could result in additional cost to customer. Written notification is required 5 days prior to any schedule changes.

This SOW assumes normal day shift of 8 continuous working hours between 5am and 5 pm, unless otherwise specified and agreed to in writing. Any work outside of this time frame may be subject to additional shift premiums.

This SOW includes one mobilization only. Changes that required additional starts and stops may be subject to additional charges via a change order. This would include, but not limited to, storage, equipment rentals, travel expenses, and other expenses incurred.

This quotation assumes that all existing and new conduits are properly sized with pull string installed and that any new conduits, pathways, wire mold, power poles, core holes, sleeves, and floor boxes, not mentioned in the above scope of work, will be provided and installed by other vendors and will be ready prior to cable installation.

Phone Systems, Network Devices, Active Equipment are not included, unless otherwise stated in the scope of work. Any other Control Components are NOT included in this proposal as directed, unless otherwise specified. It is the assumption that the owner will provide its own system to perform the functions as needed.

Patch Cords are not included unless otherwise stated in the scope of work.

All Contracts and/or Purchase Orders will be subject to monthly progress billings.

Retention dollars are to be paid within 60 days after the completion of our original scope of work, regardless of the total job completion.

Any project valued at \$2500 or above is subject to a pre-lien.

Effective Jan 1, 2015, customer is responsible for supplying CTS with Arizona Transaction Privilege Tax Exemption Form (TPT 5000) or Prime Contractor's Certificate (TPT 5005) as applicable.

*Credit card payments shall be assessed a 3.5% convenience fee.*

**COSTS**

Materials	<u>15,326.00</u>
Labor	<u>8,582.00</u>
Misc	
Sub Total	<u>23,908.00</u>
Tax Rate	<u>9.300%</u>
Material Tax	<u>1425.32</u>
Labor Tax	<u>0.00</u>
<b>Total</b>	<b>25,333.32</b>

PRODUCT	PART NUMBER	DESCRIPTION	UOM	QTY
Windy City	556600	Cat6 Plenum White	LF	1,000
Windy City	7' Path Cable	7' Patch Cables Cat6	EA	4
Windy City	NJ446100	4 ELEMENT TWIST CMP NO JACKET	LF	1,500
BOSCH	DS160	MOTION REX (GRAY)	EA	7
Schlage	MT15	Multi Tech Card Reader	EA	7
Pedestal pro	HOOD-CS-06x8	Card Reader Hood	EA	4
GRI	180-RS-WHT	Door Contact	EA	7
Hanwha	SQ-QNV6082R1	QNV-6082R1 Q-Series 2MP Outdoor IR Vandal Dome C	EA	4
Hanwha	SBP-300WMW1	Wall Mount	EA	4
Hanwha	SBP-301HMW2	Pendant Cap	EA	4
Milestone	XPPPLUSDL	XProtect Professional + Device License (DL)	EA	4
Milestone	YXPPPLUSDL	1 Year Care Plus for XProtect Professional+ DL	EA	4
CTS	CTS	Connect to door hardware by others	EA	7
CTS	CTS	Misc. Connectors/Conduit/Mounting Hardware	EA	1
Tamarco	2" J-Hook Clip-on	2" J-Hook Clip-on Comfort Cradle	EA	40
Tamarco	3' hanger	solid hanger w/shot	EA	40
LENEL	LNL-X2220	Intelligent Dual Reader Controller –	EA	1
LENEL	LNL-1320-S3	Dual Reader Interface Module Series 3	EA	3
INTERSTATE BATT	SEC1075	12V 7AH BATTERY	EA	3
LSP	FPO150-B100C8D8PE6M	MCLASS™ UNIFIED POWER SYSTEM150W / 12 & 24VD	EA	1
Labor Only	CTS	Labor to program,test with City of El Mirage	EA	1
Labor Only	CTS	Pre-Construction Services (site meetings)	EA	1
Labor Only	CTS	Project Management Hours	EA	1

**Payment Terms:** Net 30 (Monthly Project Billing Applies)

**Material:** FOB – Project Site

Print Name: \_\_\_\_\_

Accepted by: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

P.O. # \_\_\_\_\_

Billing Address: \_\_\_\_\_