

MAPLEWOOD RICHMOND HEIGHTS SCHOOL DISTRICT VIDEO CAMERA SURVEILLANCE SYSTEM – LOCALLY HOSTED / MRH-OWNED MAY 8, 2025



Company Proposal, Resume & References

LETTER OF TRANSMITTAL

May 8, 2025

Dr. Michael Dittrich Direction of Operations Maplewood Richmond Heights School District 2531 S Big Bend Blvd Maplewood, MO 63143

Project: Video District Security Cameras RFP #SY 24-25

Tech Electronics is pleased to provide this Request for Proposal response for the Maplewood Richmond Heights School District. Tech Electronics has been serving Missouri and Illinois customers for over 50 years including working with your School District for over twenty-five as well. Since 1969 Tech Electronics has installed, designed, and serviced video surveillance systems for schools and municipalities.

Tech Electronics has a tremendous amount of experience working with school districts like that of the Maplewood Richmond Heights School District. We are incorporated in the state of Missouri.

Tech Electronics, Inc.

A Missouri Corporation	Phone: 314-645-6200
6437 Manchester Ave.	Tax ID: 43-0790955
St. Louis, MO 63139	Duns: 031103153

Tech Electronics has fully reviewed and read the RFP terms of the request for proposal. We understand and agree to all the terms and conditions listed within and have chosen to partner with S2 for this project. We intend to directly supply all the materials and services that are specified within this response but subcontract the installation of the system devices and cabling to Kaemmerlen Electric who we know is a good partner of the School District as well.

Please contact me with any questions otherwise I look forward to "hopefully" working with you very soon.

Regards,

Amy Puleo





EXECUTIVE SUMMARY

WHO WE ARE

Our History & Vision

Established in 1963 and growing to over 400 employees across the Midwest, **Tech is a partner that's as cutting-edge and technologysavvy as we are solid and dependable**. Focusing on rich tradition, strong values, deliberation and strategic vision for the future guarantees Tech will be around when clients need us most.

Why Partner with Tech?

When Tech Electronics is in your corner, **all your technology needs are covered**. No matter how complex your project is, you can count on Tech to improve safety and collaboration-allowing your working environment to be the best it can be.

Our Philosophy

As **industry leaders**, we prioritize innovation, quality and value to continually improve and meet client needs, ensuring lasting loyalty.

Experience Meets Innovation

At Tech Electronics, we **specialize in life safety and communication solutions across all industries.** We focus on helping our customers advance their critical missions while connecting and protecting what matters most. From education, healthcare and construction to government, commercial-industrial and worship, we design solutions to fit each site's unique layout and priorities.

Our Mission

Tech Electronics' mission is to help our customers **work smarter**, **feel safer**, and **collaborate more effectively**.

Our Customer Commitments

We **prioritize safety and efficiency**, installing only the right systems for the right people-nothing unnecessary, nothing overlooked.

^{FROM} 1963



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LOCATIONS IN

СІТІЕЅ ACROSS 5 MIDWEST STATES Colorado, Kansas, Missouri, Illinois, Indiana

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THE POWER OF CONNECTION AND PROTECTION

OUR MISSION

Tech helps our customers work smarter, feel safer and collaborate more effectively.

OUR BRAND PURPOSE

The world runs on technology.

It is the essential infrastructure that enable modern businesses to operate safely and productively and to acquire and serve their customers. At Tech, we help our clients advance their critical missions - running businesses, protecting property and lives, educating students - by connecting and protecting what matters most. As a company, we exist to craft tailor-made technology systems for organizations, delivering their teams Connection and Protection every day of every year.

OUR BRAND PROMISE: CUSTOMER COMMITMENTS

1 We Put People Before Products

Our clients depend on us to keep their people safe and productive - every day of the year. This is a non-negotiable duty that we take personally. We plan, install and service only the right systems for the right job for the right people - nothing more or nothing less. If a technology isn't essential for the people we serve, we won't install it.

2 Every Room in Every Building

Our clients have wall-to-wall network needs in buildings of all shapes and sizes. Tech knows technology and can install for every room and reason, from security and fire to phone and beyond. We're complete in our capabilities and unified in our delivery.

3 Technology Changes. We're Steadfast

Technology may be ever-changing, but our clients need a partner that is solid, steady and dependable. This is Tech. The way we run our company - with rich tradition, strong values, deliberation and a strategic vision for the future ensures that we'll be around when our clients need us most.

😗 We Know Our Stuff

Anyone can buy a piece of technology online or on the market. What our customers value is deep and precise knowledge - about products, configurations, integration and lifecycle. We train our teams to the highest degree, and we share our expertise with our customers and peers. Simply put: We never stop learning.

5 An Extension of You

Our clients view Tech not as a transactional thirdparty provider, but as a trusted member of their organization - one who is present throughout a project's lifecycle, from construction all the way through ongoing service. We help our clients accomplish the goals they've been tasked with, delivering tailor-made systems and results that give confidence to senior leadership, board members, employees and investors. A successful client means a successful Tech.





OUR IMPLEMENTATION PROCESS

Tech Electronics ensures a smooth implementation process, designed to minimize disruption. Our base bid includes comprehensive digital training resources, and we offer optional live and/or recordable webinars for interactive learning.

- **Personalized Welcome**: Your dedicated project manager will send a welcome email, introducing themselves and scheduling your initial kickoff/design meeting.
- **Collaborative Design:** We will conduct a detailed kickoff/design meeting (or two, for larger sites) to gather essential user and call flow information, ensuring a tailored system configuration.
- Dedicated Project Management: A dedicated project manager and project foreman will be assigned to your project upon award. This dedicated team will work with Amy Puleo & Brad Witte on all pre-install items including keeping you informed throughout the process.
- Seamless Go-Live: We will schedule meetings for your go-live date, with our team on standby to address any questions during the transition.
- Comprehensive Post-Implementation Support: One week after golive, we will provide administrative training on routine maintenance tasks. We will also provide ongoing support contact information.

Fee Structure

Fixed Bid - Milestone Invoicing, 50% down

Tech Electronics estimates provided herein are provided on a fixed fee basis unless otherwise noted. Tech Electronics shall invoice according to the following invoice schedule for the work covered under this agreement. Invoice payments are due upon receipt.

- > Contract Execution 50% of total approved fees
- > Contract 50% Complete 20% of total approved fees
- > Contract 75% Complete 20% of total approved fees
- > Contract Completion Balance of approved fees (including any changes controls if applicable)

Price does not include applicable state, city or local tax unless otherwise noted. Equipment and applicable freight will be billed upon receipt of equipment at the installer's warehouse.

Invoice payment terms are due upon receipt.





Technicians and Certifications

Tech Electronics employes over 100+ IBEW factory trained technicians and inspectors. The average tenure for our technicians is 13 years.

In addition to the factory and in-house certified technicians, Tech Electronics provides the following:

- National Institute for Certification in Engineering Technology (NICET). Tech Electronics employs (90) NICET certified engineers, technicians and system designers
- Tech Electronics is UL Listed for both security and fire alarm
- Tech Electronics is an AVIXA (formerly InfoComm) Gold Certified Solutions Provider
- Tech Electronics employs AVIXA (formerly InfoComm) Certified Technology Specialists
- Tech Electronics employs Cisco Certified Network Associates, Cisco Certified Design Associates and Cisco Certified Network Professionals
- Tech Electronics employs Microsoft Certified System Engineers and Certified Novell Engineers
- Tech Electronics employs staff who have been A+ Certified
- Tech Electronics employs Registered Communications Distribution Designers (RCDD)
- Tech Electronics employs a staff of Professional and Degreed Engineers
- Tech Electronics is involved with multiple organizations, the following to name a few:
 - American General Contractors (AGC)
 - Audiovisual Integrated Experience Association (AVIXA)
 - National Electrical Association (NECA)
 - Association for Quality in Audiovisual Technology (AQAV)
 - National System Contractors Association (NSCA)
 - American Society for Industrial Security (ASIS)
 - National Fire Protection Association (NFPA)
 - Building Owners and Management Association (BOMA)
 - Fire Marshals Association (FMA)
 - Missouri Association of Building Officials and Inspectors (MABOI)
 - Missouri Association of Code Administrators (MACA)
 - Missouri School Plant Managers Association (MSPMA)
 - Missouri Health Care Association (MHCA)
 - Missouri Hospital Association (MHA)
 - Government Management Information Services Association (GMIS Illinois)
 - Southern Illinois Chapter For Healthcare Engineering (SICHE)
 - Missouri Community College Association (MCCA)





Personnel

As new technologies and markets have developed, Tech Electronics has carefully selected qualified individuals with outstanding experience and knowledge to take charge of those responsibilities. In every commercial or industrial category of communication technology, Tech has the people and the expertise to deliver reliable, cost-effective service. Tech Electronics is a family business, in many senses. Our staff has a phenomenal record of loyalty, and the typical long-term tenure of our employees is way above national averages.

The key management members of the organization include:

- Kurt Canova, Executive Chairman
- Manish Chandak, President and CEO
- Tom Barry, Chief Financial Officer
- Jim McPherson, Chief Commercial Officer
- Laura Wasson, Owner & VP of Business Development
- Sean Devereaux, Vice President of Sales
- Beatrice Zdrodowski, General Counsel
- John Maniaci, Senior Executive Consultant

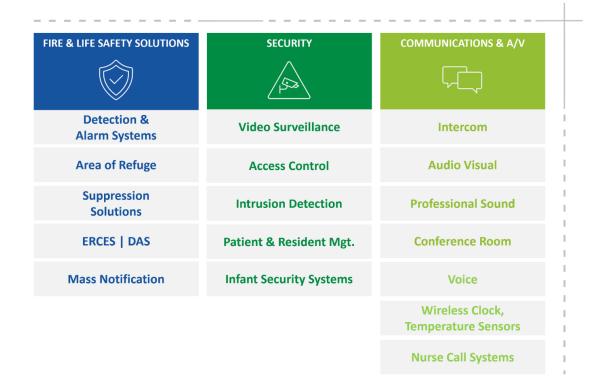




System and Services Tech Provides

Tech's capabilities are broad-based and comprehensive, but we're also specialists. Tech has dozens of skilled engineers and technicians dedicated to particular areas of focus, so for any -- or every -- system you need, trust Tech to give you the best.

By achieving all brand promises - listening to the customers' unique needs, partnering with our Manufacturers, and keeping our staff educated on cutting-edge technology -Tech Electronics offers our customers not only a solution, but a long-lasting relationship that goes way beyond installation. We help customers work smarter, feel safer, and collaborate more effectively. That is our mission, and we strive to exceed expectations on every project we take on.







Our Channels

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CONSTRUCTION

DIRECT

SERVICE

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02

03

Work directly with **Architects, Engineers, Construction Managers, General Contractors** on any type project from Design/Build, Plans/Specs, Bid Design & Negotiated, to **ensure proper Design & Installation**

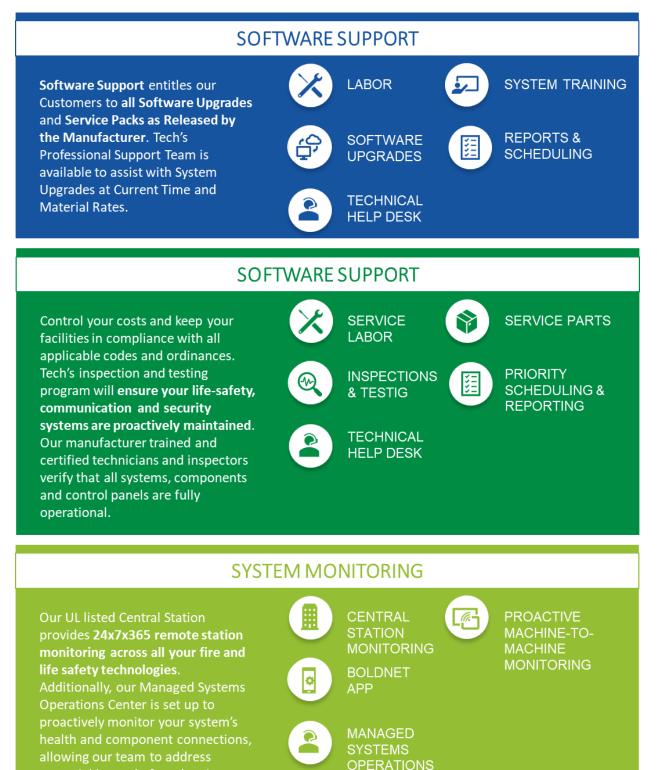
Market based Account Managers who understand your specific business goals and needs. Technology System Specialist are **technology focused and certified Solution Designers are System Engineers building the right solution for your business**

Offers **On-Site traditional services** like inspections, break/fix and testing as well as remote and managed services. We are **staffed with certified service technicians and help desk professionals** to ensure your systems are always working at full capacity





Managed Services – Individual Options



CENTER





Our Team



AMY PULEO Account Manager

Tech Electronics Employee: 20 Years Industry Experience: 30 Years

Resume: Accomplished Sales and Design Specialist with a 30-year track record in the technical industry, specializing in low-voltage systems for the K-12 education market. Proven expertise in designing, selling, and servicing complex solutions. Demonstrated ability to build strong client relationships and exceed sales targets.



BRAD WITTE System Designer

Tech Electronics Employee: 10 Years Industry Experience: 30+ Years

Resume: Highly skilled and experienced professional with over 30 years of expertise in designing, installing, and maintaining video surveillance systems. Proven track record of delivering high-quality, customized security solutions for a wide range of clients. Strong background in system design, troubleshooting, and team leadership. Adept at working with the latest security technologies to ensure optimal performance and security.





References

Tech Electronics has a long and impressive roster of well-known clients and successful projects. Our records of repeat business and client referrals also say a lot about Tech's ability to provide customer satisfaction.



Our K12 Missouri Customers

- Affton School District
- Alton Community Unit School District #11
- Bayless School District
- City of St. Charles School District
- Clayton School District
- DeSoto Public School District 73
- Dunklin R-V School District
- Ferguson-Florissant R-II School District
- Festus R-6 School District
- Fort Zumwalt SD
- Fox C-6 School District
- Francis Howell School District
- Hancock Place School District
- Hazelwood School District
- Hillsboro R-3 School District
- Jefferson R-VII School District
- Jennings School District
- Kirkwood School District R-VII
- Lindbergh School District
- Maplewood Richmond Heights School District

- Mehlville School District
- Meramec Valley School District
- Normandy School District
- Orchard Farm Main Campus
- Parkway School District
- Pattonville School District
- Ritenour School District
- Riverview Gardens School District
- Rockwood R-6 School District
- Special School District
- St. Clair R-13 School District
- St. Louis Public Schools
- Troy School District
- Union R-XI School District
- University City School District
- Valley Park School District
- Warren County R-III School District
- Washington Schools District #52
- Wentzville School District
- Windsor C-1 School District





K-12 System References

Customer:	Rockwood School District
Contact:	Chris Freund
Email:	freundchristopher@rsdmo.org
Phone:	314-220-3959
Customer:	Clayton School District
Contact:	James Brennel
Email:	jamesbrennell@claytonschools.net
Phone:	314-581-7024
Customer:	Wentzville School District
Contact:	Joshua Schaeffer
Email:	joshuaschaffer@wsdr4.org
Phone:	314-681-2442
Customer:	Lindbergh School District
Contact:	Dominic Jaggie
Email:	djaggie@lindberghschools.ws
Phone:	314-374-6900
Customer:	Windsor School District
Contact:	Dan Calbreath
Email:	dcalbreath@windsorc1.com
Phone:	314-568-7309





Scope of Work & RFP Response

Locally Hosted System With MRH-Owned Hardware.

We propose to provide and install a **S2 VR Video Management System** consisting of an on-site server located at the building of choice in the school district. This system will integrate directly with your existing S2 access control system to link (tag) video recordings to access control door events when requested.

The existing (newer) high MP bullet cameras that are in place today will be reused. We will clean and reaim these cameras. The existing old low-resolution Axis dome cameras will not be reused. These will be replaced, and new camera locations added per the drawings provided in the RFP.

We will provide and install a new S2 VR server with RAID 5 storage and redundant power supply in the High School MDF equipment rack. All cameras in the district will be managed & recorded on this server. UPS power to be provided by the district.

Storage calculations predict 30+ days of recorded video based on 1IPS continuous recording plus 10 IPS motion triggered recording with a 3 second pre and post motion buffer. (Motion calculation is based on movement 30% of the time). Options for additional storage (available at the time of purchase only) are provided below.

All cameras and server will be pre-configured and tested in out Tech Prep lab prior to being deployed to the schools. Two options in camera manufacturer have been presented on the pricing page. If awarded the contract and work, Tech would like to discuss the two options with key decision makers in the school district. Camera options include:

- iPRO Base Bid
- Axis Voluntary Alternate

We will configure motion detection activated recording and Suspect Tracking on all cameras.

We will install, configure and provide user training on two owner provided workstations at each of the four buildings.

One year of software support is included.

Scope of Work/Design Notes:

- Some cameras shown on the maps provided in the RFP were not located/found. These are identified on the camera maps in attachment A.
- Some cameras not shown on the maps provided in the RFP were located/found and are identified on the camera maps in attachment A.
- All cameras in the Option B On-Prem solution will be recorded on one centralized server to be located in the High School MDF.
 - \circ $\;$ UPS power for this server to be provided by the district.





- All cameras in Option A Cloud solution will be recorded on an on-board 1TB SDXC card inside each camera.
 - This is the largest size supported by the cameras.
 - Video retention will be determined by the resolution of the camera.
 - We expect 30 days +/- on most cameras.
- The district is to provide all network routing, POE+ switch ports and static IP addresses or MAC reservations for all cameras and server.
- The district is to provide camera titles prior to system Tech Prep pre-configuration.
- The district is to provide a list of users with each user's system rights and credentials prior to system Tech Prep configuration.
- Access Control Add: The district is to provide S2 Netbox Extreme door licenses for the Admin. building.
- This submission excludes the removal of any wire.

This RFP response is based on our interpretation of the maps provided with the RFP. We recommend a comprehensive camera location & type review prior to final project implementation. Implementation timelines and project planning will be determined one final design is recognized.

An optional price to Add 12TB hard drive to the server RAID array is priced at \$1280 per drive.

Attachment A legend:

Orange Icon:	New Camera Location
Green Icon:	Existing Camera Location (Includes Access Control Add at Admin office)
Red Icon:	Optional Camera Location (Included in base bid)
Purple Icon:	Camera on RFP map not found
Blue Icon:	Network switch or wire chase
Orange FOV:	2MP camera

Orange FOV:2MP cameraBlue FOV:4 or 5MPPurple FOV:8MP

NOTE: The FOV shown depicts the horizontal field of view (HFOV) only. The depth of coverage is shortened for map clarity. Cameras will see as far as there is no obstruction (hill, wall, tree, etc.)

Access Control Scope of Work

As an optional price and added scope of work to the camera project, Tech will provide and install five (5) new doors of S2 access control at the District Administration Building. These doors will be connected to your existing S2 Access Control system software. We assume there are sufficient door licenses available in the software to accommodate these new doors.

We will remove the existing keypads on four existing doors and remove the old power supplies from the closet.

We will reuse the existing door strikes and install a new electric strike on the new door.





We will remove the existing mag locks and exit buttons from the inner front lobby doors that do not meet current life-safety codes. We will provide and install a EL kit in the existing crash bar on one door leaf. This will allow for free egress at all times and keep the building secure in the event of total power failure.

Each door will receive a new card reader, REX device and door position switch.

We will provide and install a new S2 network node and lock power supply in the existing IT closet.

All S2 licenses and server hardware will be provided by the School District.





Bill of Material / Video Surveillance

Bldg	Qty	Part Number	Man	Description
Admin	6	S2-VR-1C	S2SE	Single IP Camera License
Admin	1	WV-U2130LA	iPRO	2MP, 1080P, Fixed Lens, Indoor, IR, Dome Camera
Admin	1	WV-QJB502A-W	iPRO	Ceiling Surface Mount Bracket, White
ECC	22	S2-VR-1C	S2SE	Single IP Camera License
ECC	3	WV-U2130LA	iPRO	2MP, 1080P, Fixed Lens, Indoor, IR, Dome Camera
ECC	9	WV-U2140LA	iPRO	4MP Indoor IR Dome Camera
ECC	1	WV-U2540LA	iPRO	4MP Outdoor IR Dome Camera
ECC	4	WV-QJB502A-W	iPRO	Ceiling Surface Mount Bracket, White
ECC	2	WV-S15700-V2LN	iPRO	4K (8MP) Exterior IR Bullet Camera
ECC	2	WV-QJB500-W	iPRO	Backbox Bracket For Outdoor Box Camera, White
ECC	2	WV-U85402-V2L	iPRO	2 x 4MP (8MP) Dual-Sensor Ex Vandal Resistant IR Dome Camera
ECC	1	WV-S85702-F3L	iPRO	2 x 4K(16MP) Dual-Sensor Outdoor Vandal Resistant Camera
ECC	1	WV-S8544L	iPRO	4 X 4 MP, 16MP, 360° Exterior IR Dome Camera, Vandal Resistant
ECC	1	WV-QSR503F1-W	iPRO	Shroud Bracket, ANSI Female Thread
ECC	1	PWM40AW	iPRO	Wall Mount Bracket, White
ES	18	S2-VR-1C	S2SE	Single IP Camera License
ES	5	WV-U2130LA	iPRO	2MP, 1080P, Fixed Lens, Indoor, IR, Dome Camera
ES	3	WV-U2140LA	iPRO	4MP Indoor IR Dome Camera, H.264/265, Fixed Lens
ES	1	WV-U2540LA	iPRO	4MP Outdoor IR Dome Camera, H.264/265, Fixed Lens
ES	1	WV-QJB502A-W	iPRO	Ceiling Surface Mount Bracket, White
ES	1	WV-U85402-V2L	iPRO	2 x 4MP (8MP) Dual-Sensor Ex Vandal Resistant IR Dome Camera
HS-MS	73	S2-VR-1C	S2SE	Single IP Camera License
HS-MS	14	WV-U2130LA	iPRO	2MP, 1080P, Fixed Lens, Indoor, IR, Dome Camera
HS-MS	36	WV-U2140LA	iPRO	4MP Indoor IR Dome Camera, H.264/265, Fixed Lens
HS-MS	4	WV-U2540LA	iPRO	4MP Outdoor IR Dome Camera, H.264/265, Fixed Lens
HS-MS	9	WV-QJB502A-W	iPRO	Ceiling Surface Mount Bracket, White
HS-MS	7	WV-S15700-V2LN	iPRO	4K (8MP) Exterior IR Bullet Camera, 4.3-8.6MM Lens
HS-MS	7	WV-QJB500-W	iPRO	Backbox Bracket For Outdoor Box Camera, White
HS-MS	4	WV-U85402-V2L	iPRO	2 x 4MP (8MP) Dual-Sensor Ex Vandal Resistant IR Dome Camera
HS-MS	1	WV-S85702-F3L	iPRO	2 x 4K(16MP) Dual-Sensor Outdoor Vandal Resistant Camera
HS-MS	1	WV-S4576LA	iPRO	12MP Sensor Outdoor Candal Resistant 360 Dome Camera
HS-MS	1	S2-NETVR750-G3	S2SE	NETVR 750 VIDEO MANAGEMENT SYSTEM SERVER
HS-MS	12	S2-12TB-HDD-G2	S2SE	12TB Storage Hard Drive
HS-MS	1	S2-VR-RAID5	S2SE	Raid 5 Configuration For Video Management Server





Customer's Responsibilities

Provide access to all work areas as required by Tech between the hours of 7:00am and 5:00pm Monday through Friday in a continuous eight (8) hour shift. Customer to inform Tech, prior job start up, of any times when work cannot be performed due to conflicts.

Furnish all POE network ports, 110 Volt requirements and network programming.

Work areas shall be defined and scheduled by the Customer and Tech's Project Manager. If applicable, provide a set of consecutive available rooms and areas to allow for efficient device installation per the implementation plan.

Provide painting and patching as required.

Clarifications

Any changes to this Submission will be communicated and approved in writing (by an authorized Customer representative) and signed by both Tech and the Customer prior to commencing work.

Pricing does not include applicable state, city or local tax unless otherwise noted.

This quotation assumes a standard installation schedule. Any expedited deliveries or installations are not included, unless specifically identified by Tech.

This proposal includes travel to and from the site to perform our stated scope of work. Additional or duplicate site visits required due to factors beyond our control will be invoiced to the Customer at our current labor rates.

Freight allowances are based on standard surface carriers and standard delivery timelines. If air freight or other special shipping arrangements are required for any reason, they will be furnished as an extra charge to this Submission upon written request from the Customer or the Customer's agents.

Warranty

This Submission includes a one (1) year material warranty from the date of first beneficial use by the Customer.

All warranty work will be performed Monday through Friday between the hours of 8:00 am and 4:30 pm. If work needs to be performed outside of these hours and/or during holidays it will be performed on a time and materials basis as an addition to this Submission and will be billed at Tech's current rate differential between the normal and overtime labor rates plus the minimum service call-out charges.

Warranty includes all equipment, parts and labor for Tech provided items. This warranty does not apply to any products that have been installed incorrectly by the Customer's agents or any existing systems or devices unless specifically identified within this Submission.

Safety Precaution

In the event Tech encounters on site material reasonably believed to be asbestos or Polychlorinated Biphenyl (PCB), which has been considered harmful, Tech will immediately stop work in the area and report the condition to the customer in writing.

The work in the affected area shall not be resumed if the material is asbestos or PCB until the areas is declared NOT harmful. The work to remove the asbestos or PCB is to be performed by the Customer at no cost to Tech.





TIPS Vendor

Pricing within reflects TIPS contract award as listed below:

Contract	Comodity	Exp Date	EDGAR
240102	Emergency Responder Supplies, Equipment, and Services	03/31/2027	See EDGAR Certification Doc.
24020301	Fire, Firearm, and Active Shooter Safety and Security Solutions	04/30/2029	CFV
24010401	Trades, Labor, and Materials (NON JOC)	04/30/2029	See EDGAR Certification Doc.

Licenses, Insurance, Certifications

Tech Electronics & Kaemmerlen are IBEW Local 1 organizations. All licenses, insurance documents, and certifications will be provided upon award.

Fixed Bid - Milestone Invoicing, 50% down

Tech Electronics estimates provided herein are provided on a fixed fee basis unless otherwise noted. Tech Electronics shall invoice according to the following invoice schedule for the work covered under this agreement. Invoice payments are due upon receipt.

> Contract Execution - 50% of total approved fees (With Proof of Shipment)

> Contract 50% Complete - 25% of total approved fees

> > Contract Completion - Balance of approved fees (including any changes controls if applicable)

Price does not include applicable state, city or local tax unless otherwise noted. Equipment and applicable freight will be billed upon receipt of equipment at the installer's warehouse. Invoice payment terms are due upon receipt.





Investment Summary

Base Bid / IPRO Cameras	\$247,180.00
Voluntary Design Option / Axis Cameras	\$272,150.00
Access Control Additions	\$20,040.00





Attachment A

