

**BID PACKAGE  
SURVEILLANCE CAMERA SYSTEM  
AVON, CT**

July 1, 2009

INVITATION TO BID 09/10-3  
STANDARD INSTRUCTIONS  
BID FORM  
AGREEMENT  
GENERAL SPECIFICATIONS

Blythe C. Robinson  
Assistant Town Manager  
60 West Main Street  
Avon, CT 06001-3743

**SURVEILLANCE CAMERA SYSTEM**  
**STANDARD INSTRUCTIONS TO BIDDERS**

1. **INTRODUCTION**

The Town of Avon is soliciting bids for the above named project. The scope of work is to provide for the complete installation of required surveillance equipment along with the demolition and removal of existing system. The proposed equipment shall allow for monitoring by Town staff through our network system. The surveillance system consists of security cameras, monitoring and recording equipment and software. Vendor shall supply surveillance cameras, all accompanying equipment, installation labor (including wiring to camera locations) and operator training necessary for a fully functioning system.

**Locations**

60 West Main Street, Avon Police Department, Buildings 3 & 4. The system will include twenty-three (23) cameras as specified in this document. The system should be expandable to a minimum of thirty-two (32) cameras in the future. The system shall record all cameras to an IP addressable DVR Server. The Server shall be rack mountable.

11 Arch Road, Vehicle Impound Area, EMS Garage, and Animal Control Facility. The system will include three (3) cameras as specified in this document. The system shall record all cameras to a central monitoring system located at building 3 in IP addressable DVR Server.

Route 44 Intersection. The system will include one (1) camera as specified in this document. The camera shall record to a central monitoring system located at building 3 in IP addressable DVR Server.

2. **KEY EVENT DATES**

Invitation to Bid Issued		July 1, 2009
Pre-Bid Conference		None
Public Bid Opening	10:00 A.M..	July 22, 2009
Bid Awarded		August 6, 2009
Commencement of Work		Notice to Proceed
Completion Date	60 calendar days from Notice to Proceed/Purchase Order	

3. **OBTAINING BID DOCUMENTS**

Specifications and bidding documents may be obtained from the Town Manager's Office, 60 West Main Street, Avon, CT, or from the Town's website at: [www.town.avon.ct.us](http://www.town.avon.ct.us) (under "Opportunities") Public Bids & RFPs.

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4. **BID SUBMISSION INSTRUCTIONS**

- A. One (1) original and two (2) copies of all bids must be submitted in a sealed envelope clearly marked "Sealed Bid for Surveillance Camera System". If forwarded by mail or courier, the sealed envelope must be addressed to "Philip K. Schenck, Jr., Town Manager, Town of Avon, 60 West Main Street, Avon, Connecticut 06001-3743". Bids must be at the office of the Town Manager prior to the time the first bid is scheduled to be publicly opened. Postmarks are NOT an acceptable waiver of this policy. Corrections and/or modifications received after the scheduled date and time for opening will NOT be accepted. Bids may not be submitted by facsimile or email.
- B. Ditto marks or words such as "SAME" on the Bid considered writing and must not be used.
- C. All information must be submitted in blue ink or typewritten. Mistakes may be crossed out and corrections inserted. Corrections must be initialed by the person signing the bid.
- D. Bids are considered valid for ninety (90) days after bid(s) are opened. Bidders may not withdraw, cancel or modify their bid for a period of ninety (90) days after bid(s) are opened.
- E. Bids must be signed by an authorized person representing the legal entity of the bidder.
- F. The inability to meet any specified requirement(s) must be stated in writing and attached to the bid form, or written on the bid form.
- G. To be eligible for an award, Bidder must be qualified and able to provide the following as required or the bid response will not be considered:
  - Must be in the business of providing video surveillance systems and must have done so for the past 5 years.
  - Bidder must be the original manufacturer, authorized distributor, or dealer authorized by manufacturer with service and repair capabilities for the item. The bidder must be able to verify their account with the manufacturer or authorized supplier.

5. **QUESTIONS**

Any questions about this project should be directed to Mr. Bruce Williams, Director of Public Works at (860) 673-6151.

However, no oral interpretations shall be made to any respondent as to the meaning of any of the bid documents. Every request for an interpretation shall be made in writing, addressed and forwarded to Blythe C. Robinson either by email to [brobinson@town.avon.ct.us](mailto:brobinson@town.avon.ct.us), fax: (860) 409-4368, or by mail: Town Manager's Office, 60 West Main St., Avon, CT 06001-3743.

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To receive consideration, such questions must be received at least five (5) calendar days before the established date for receipt of bids.

The Town will arrange as addenda, which shall be made a part of this Invitation to Bid and the resulting agreement, all questions received as above provided and decisions regarding each. At least three (3) days prior to the receipt of bids, the Town will post a copy of any addenda to its website, located at: [www.town.avon.ct.us](http://www.town.avon.ct.us) (under "Opportunities"). It shall be the responsibility of each bidder to determine whether addenda have been issued, and if so, to download copies directly from the Town's website.

6. **PRESUMPTION OF BIDDER BEING FULLY INFORMED**

At the time the first bid is opened, each bidder is presumed to have read and is thoroughly familiar with all bidding and contract documents for this project and has performed an on-site inspection of the work location. Failure or omission of the bidder to receive or examine any information concerning this bid shall in no way relieve any bidder from obligations with respect to their bid.

7. **PRE-BID CONFERENCE**

Attendance at the pre-bid conference, if any as indicated in section 2 titled Key Event Dates, is mandatory. Failure to attend does not relieve bidders of obligations under this bid.

8. **TAX EXEMPTIONS**

The Town of Avon is exempt from Federal Excise Taxes and Connecticut Sales and Use Taxes. Bidders shall avail themselves of these exemptions.

9. **INSURANCE**

The bidder awarded this bid must provide a current Certificate of Insurance to the Assistant Town Manager PRIOR to commencement of work with the following General Liability & Automobile Coverage requirements:

- a. Commercial General Liability:
  - Each Occurrence: \$1,000,000
  - Personal/Advertising Injury Per Occurrence: \$1,000,000
  - General Aggregate: \$2,000,000
  - Product/Completed Operations Aggregate \$2,000,000
  - Fire Damage Legal Liability \$ 100,000
- b. Automobile Liability:
  - Each Accident: \$1,000,000
  - Hired/Non-owned Auto Liability \$1,000,000
- c. Worker's Compensation, as required by Connecticut State statutes.
- d. The "Town of Avon" is to appear as an additional insured on the contractor's general liability and automobile liability Certificates of Insurance.
- e. All insurance is to be provided by a company authorized to issue such insurance in the State of Connecticut with a Best rating of no less than A:VII.

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- f. All insurance may not be canceled or modified without thirty (30) days written notice be registered U.S. Mail to: Town Manager, Town of Avon, 60 West Main Street, Avon, Connecticut 06001-3743.
- g. The limits of insurance may either be met as stated above, or in combination with an umbrella or excess liability policy.

10. **AWARDING THE BID**

The Town of Avon reserves the right to accept any bid or any part of bids, to reject any, all, or any part of bids, to waive any formalities or informalities in the bidding process, and to award the bid deemed to be in the best interests of the Town. The Town of Avon will enter into a written agreement with the selected vendor. The “Bid Awarded” date in section 2. titled Key Event Dates is the date the bid is anticipated to be awarded. It is not a date certain.

The lowest priced bid is NOT the sole determining factor when awarding this bid, and the Town reserves the right to negotiate with the bidder that is preliminarily selected.

11. **SUBSTITUTION FOR NAME BRANDS**

Should brand name items appear in this Invitation to Bid, the bidder must attach specifications for any substitutions they consider “or equal”, and explain how the substitution compares with the named brand’s specification. Include information about substitutions must be included with the bid package. The decision as to whether the substitution is acceptable rests solely with the Town of Avon.

12. **SUBMITTALS**

None are required for this project.

13. **BID BOND**

A Bid Bond is not required for this project.

14. **PERFORMANCE BOND**

A Performance Bond is not required for this project

15. **AGREEMENT DOCUMENTS**

The Agreement Documents are defined as:

- The Standard Instructions to Bidders
- The Agreement as executed
- The General Specifications
- Any Addenda, if Issued

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16. **PERFORMANCE REQUIREMENTS**

All proposed equipment must be capable of performing all operations in accordance with manufacturer's advertised data sheets and technical publications.

17. **TESTING, ACCEPTANCE AND TRAINING**

The system should be delivered and available for testing and training by September 30, 2009. Full operation is desired no later than October 15, 2009. Demonstrate set-up and provide training for Avon Police personnel during the installation and testing period, up to a total of 16 hours of training. Acceptance of the system shall be after successful operation.

**END OF STANDARD INSTRUCTIONS TO BIDDERS**

**BID FORM**  
**Town of Avon**  
**SURVEILLANCE CAMERA SYSTEM**  
**July 22, 2009**

BID (Proposal) of \_\_\_\_\_ (hereinafter called "BIDDER"), a corporation or limited liability company, organized and existing under the laws of the State of \_\_\_\_, a partnership, or an individual doing business as: \_\_\_\_\_\*

**SUMMARY BASE BID AND AMOUNT**

The total base BID price for \_\_\_\_\_ Dollars and \_\_\_\_\_ cents (written words) \_\_\_\_\_ (figures)

**ALTERNATES:**

- 1. Camera #24 \$ \_\_\_\_\_
- 2. Camera #25 \$ \_\_\_\_\_
- 3. Camera #26 \$ \_\_\_\_\_
- 4. Camera #27 \$ \_\_\_\_\_
- 5. DVR Server capable of recording 32 cameras for 60 days. \$ \_\_\_\_\_

**DEDUCTIONS:**

- 1. Camera #10 \$ \_\_\_\_\_
- 2. Camera #11 \$ \_\_\_\_\_
- 3. Camera #12 \$ \_\_\_\_\_
- 4. Camera #13 \$ \_\_\_\_\_
- 5. Camera #14 \$ \_\_\_\_\_
- 6. Camera #15 \$ \_\_\_\_\_
- 7. Camera #16 \$ \_\_\_\_\_
- 8. Camera #17 \$ \_\_\_\_\_
- 9. Camera #18 \$ \_\_\_\_\_
- 10. Camera #19 \$ \_\_\_\_\_
- 11. Camera #20 \$ \_\_\_\_\_

Gentlemen:

The BIDDER, in compliance with the Advertisement for BIDS for the above designated project, states that it has thoroughly examined and understands the terms and provisions of the Agreement Documents. Based upon those examinations and that understanding, the BIDDER hereby proposes to perform all work, furnish all labor, materials, equipment, supplies and anything else required or necessary in order to construct the complete truck in strict accordance with the agreement documents, within the time set forth hereinafter and for the prices stated below. Prices cover all expenses incurred in performing the work that is required by the contract documents of which this BID is a part.

BIDDER hereby agrees to commence WORK under this agreement on the date to be specified in the NOTICE TO PROCEED.

BIDDER acknowledges receipt of the following ADDENDA:

No.	Date: / /	No.	Date: / /
No.	Date: / /	No.	Date: / /
No.	Date: / /	No.	Date: / /

\* Insert the Corporation, Limited Liability Company, Partnership, or Individual name as applicable. Cross out non- applicable types.



This BID is submitted in full compliance with the conditions outlined in the Agreement Documents. The BIDDER has responded to and completely filled in all required spaces in the BID document, and obtained the necessary Notary Public signature where so required.

**This BID Respectfully Submitted by:**

IF A SOLELY OWNED COMPANY:

Company Name \_\_\_\_\_  
Address \_\_\_\_\_  
Town \_\_\_\_\_  
By \_\_\_\_\_  
(Authorized Signature)  
Title \_\_\_\_\_ Date \_\_\_\_\_

IF A CORPORATION OR LIMITED LIABILITY COMPANY:

A company organized under the laws of \_\_\_\_\_, composed of officers as follows:

_____ President	_____ Secretary
_____ Vice President	_____ Treasurer

Countersigned

IF A PARTNERSHIP:

A partnership doing business under the firm name and style of \_\_\_\_\_, composed of partners as follows:

_____ Name & Title (if any)	_____ Name & Title (if any)
_____ Name & Title (if any)	_____ Name & Title (if any)

This Bill must bear the written signature of the BIDDER. If the BIDDER is a partnership, the Bid must be signed by a partner. If the BIDDER is a corporation or limited liability, the Bid must be signed by a duly authorized officer of such corporation or limited liability company.

## BIDDER'S QUALIFICATIONS STATEMENT

The BIDDER shall answer all of the following questions, as part of the BID, so that the OWNER can judge the BIDDER's ability, experience and facilities for performing the proposed work.

1. Name of BIDDER: \_\_\_\_\_
2. Bidder's Tax Identification Number:  
\_\_\_\_\_
3. What year was company organized/formed?  
\_\_\_\_\_
4. How many years has the BIDDER been engaged in business under the present firm or trade name? \_\_\_\_\_
5. What is the general character or type of work you perform?  
\_\_\_\_\_  
\_\_\_\_\_
6. Has the BIDDER ever failed to complete any contracted work?  
If yes, explain with whom and why:  
\_\_\_\_\_  
\_\_\_\_\_
7. Has the BIDDER ever defaulted on a contract?  
If yes, explain with whom and why:  
\_\_\_\_\_
8. For other work you have under contract at the present time: Attach list with description of work; the name of the client/owner with telephone number; and the approximate value of the work to be performed.  
  
**NOTE:** The BIDDER is required to have completed a minimum of five (5) similar projects as a demonstration of competency and experience for the project proposed herein. Such projects are to be listed below.
9. Attach a list of all projects that your present organization has completed within the past ten years or is presently working on. Indicate here how many additional pages attached:  
\_\_\_\_pages.

10. List below the equipment that you propose to furnish and use on the proposed work:

OWNED EQUIPMENT:

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(Staple additional sheets as required)

RENTED EQUIPMENT:

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11. List the name(s), address(es) and telephone number(s) of the banks or financial institutions used for business and reference purposes

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12. Attach a list of the names, addresses and the background/experience of all principal or key members of the BIDDERS organization, including its officers:

Indicate the number of pages attached:

**NOTE:** If requested, the BIDDER agrees to furnish the OWNER with a detailed financial statement and other relevant information that may be required by the Town of Avon to properly evaluate the qualifications of the BIDDER.

**NON-COLLUSION AFFIDAVIT OF BIDDER**

State of \_\_\_\_\_, County of \_\_\_\_\_, being first  
duly sworn, disposes and says that:

1. He is the owner, officer, representative or agent of: \_\_\_\_\_  
the BIDDER that has submitted the attached BID;
2. The attached BID is genuine; it is not a collusive or sham BID;
3. He is fully informed respecting the preparation, and contents of, and knowledgeable of all  
pertinent circumstances respecting the attached BID;
4. Neither BIDDER nor any of its officers, partners, owners, agents, representatives, employees, or  
parties in interest, including this affiant, has in any way colluded, conspired, connived, or  
agreed, directly or indirectly, with any other bidder, firm or person to submit a collusive or sham  
BID in connection with the AGREEMENT for which the attached BID has been submitted or to  
refrain from bidding in connection with any contract, or has in any manner, directly or  
indirectly, sought by agreement, collusion, communication or conference with any other bidder,  
firm or person to fix the price or prices in the attached BID or of any other bidder, or to fix any  
overhead, profit or cost element of the BID prices or the bid price of any other bidder, or to  
secure through collusion, conspiracy, connivance or unlawful agreement any advantage against  
the Town of Avon or any other person interested in the proposed AGREEMENT.
5. The price(s) quoted in the attached BID are fair and proper and are not tainted by any collusion,  
conspiracy, connivance or unlawful agreement on the part of the BIDDER or any of its agents,  
representatives, owners, employees, or parties in interest, including this affiant; and
6. That no elected or appointed official or other officer or employee of the Town of Avon, who is  
directly or indirectly interested in this BID, or in the supplies, materials, equipment, work or  
labor to which it relates, or in any of the profits thereof.

(Signed) \_\_\_\_\_  
(Name of Bidder)

Subscribed and sworn to before me this

\_\_\_\_\_ day of \_\_\_\_\_, 2009

\_\_\_\_\_  
Title

My Commission expires \_\_\_\_\_, 20\_\_

**STATEMENT OF BIDDERS COMPLIANCE WITH  
EQUAL EMPLOYMENT OPPORTUNITY LAW AND  
REGULATION INCLUDING EXECUTIVE ORDER NO. 3**

This statement must be completed by the Bidder and shall accompany his bid for this project.

IT IS HEREBY CERTIFIED THAT:

NAME OF BIDDER: \_\_\_\_\_

BUSINESS ADDRESS: \_\_\_\_\_

\_\_\_\_\_

To the extent required by law, the Bidder has complied on past Contracts and will fully comply on this project with all applicable laws and regulation regarding equal employment opportunities for minorities and women, and;

Has \_\_\_\_\_ has not \_\_\_\_\_ previously performed work under the conditions of the Governor's Executive Order No. 3 of the State of Connecticut, or any preceding similar Executive Order with regards to Non-Discrimination.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

Subscribed and sworn to before me this

\_\_\_\_\_ day of \_\_\_\_\_, 2009

\_\_\_\_\_  
Title

My Commission expires \_\_\_\_\_, 20\_\_

**IMPORTANT:** THIS STATEMENT MUST BE SUBMITTED WITH BID

**END OF SECTION**

## SURVEILLANCE CAMERA SYSTEM AGREEMENT

This Surveillance Camera System Agreement (the "Agreement") is entered into the \_\_\_\_ day of August, 2009 ("Effective Date") by and between the Town of Avon, a political subdivision of the State of Connecticut (the "Town") and \_\_\_\_\_ corporation located at \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (the "Contractor").

WHEREAS, the Town has issued an Invitation for Bid (the "IFB") for purchase and delivery of a Surveillance Camera System (the "Work"); and

WHEREAS, Contractor submitted its Bid to the Town on July 22, 2009, for the Work in accordance with the requirements and specifications of the IFB; and

WHEREAS, the Town has selected Contractor and the Town and the Contractor desire to enter into a formal Agreement for the performance of the Work;

THEREFORE, in consideration of the recitals set forth above and the mutual promises by the parties below, the parties agree as follows:

1. General. The Contractor agrees to perform the Work in accordance with the Contract Documents, as defined in Section 10 below. The Contract Documents represent the entire and integrated agreement between the Town and the Contractor and supersede all prior negotiations, representations or agreements, whether written or oral.
2. Duties. Contractor shall perform the Work described in the Contract Documents except for any work that is specifically prescribed in the Contract Documents to be the responsibility of another person. Contractor shall furnish all labor, equipment, trucks, materials, facilities, supplies, transport, and any other things necessary to carry out the terms of the Contract Documents.
3. Permits and Standards. Contractor shall, at its own expense, obtain all required permits and agreements from the Town, county, federal, state or other governmental authority for performance of the Work in accordance with the standards prescribed by the federal Environmental Protection Agency, the Occupational Safety and Health Administration, NIOSH, the Department of Environmental Protection of the State of Connecticut and any other federal, state or local government laws and regulations. In the event of a conflict or overlap of any such laws or regulations, the most stringent provisions shall be applicable.
4. Compliance with Laws. Contractor shall comply with all federal, state and local laws and regulations governing the Work whether or not such laws and regulations are fully and properly reflected in the IFB.
5. Term. The term of this Agreement shall commence on the Effective Date of this Agreement and be in effect until \_\_\_\_\_. Work to be performed at the prices stated in the Bid Form. The Contractor shall not start the Work prior to having received a notification to proceed from the Town.

6. Payment. The Town will pay the Contractor the sum of \_\_\_\_\_ Dollars (\$\_\_\_\_\_) upon the completion by the Contractor of all Work required to be performed under the terms of the Contract Documents and acceptance of the Work by the Town.
7. Insurance. The Contractor shall carry and keep in force during the term of this Agreement insurance as more specifically described in Section 9 of the Standard Instructions to Bidders, by a company or companies authorized to do business in Connecticut. The Company shall provide Certificates of Insurance specifying such coverage and naming the Town as additional insured prior to the start of the work.
8. Liability. The Contractor agrees to assume full responsibility and liability for damage or injury to persons or real or tangible personal property caused directly or indirectly by the negligent or tortious actions or inactions of the Contractor, its agents, employees or subcontractors with respect to the Work. The Contractor further agrees to assume full responsibility and liability for, and indemnify the Town against, the Contractor's failure to comply with any applicable federal, state or local law or regulation in the performance of Contractor's duties pursuant to the Contract Documents.
9. Warranties. Attached to this Agreement as Exhibits \_\_\_\_ are warranties that will be provided by the manufacturers of the specified components of the machine.
10. Contract Documents. The Contract Documents include, without limitation, the following:
- (i) The Agreement;
  - (ii) The IFB, including the General Specifications and Technical Specifications;
  - (iii) The Vendor's Bid Submission;
  - (iv) Any addenda issued prior to the execution of this Agreement or modifications issued after the execution of this Agreement.
11. Hold Harmless. The Contractor agrees to indemnify and save harmless the Town of Avon, its agents and employees, from and against all loss or expense, (including costs and attorneys' fees), arising out of or resulting from the performance of the work by the Contractor by reason or liability imposed upon the Town of Avon, its agents and employees, for damages because of bodily injury, including death at any time resulting there from, sustained by any person or persons, (including employees of the Contractor), or on account of damage to property, including loss of use thereof, if such injuries or damages are caused by the negligence or breach of Contract Documents of the Contractor, its agents and employees or otherwise. The existence of insurance shall in no way limit the scope of this indemnification. The indemnification provision shall be separate and distinct from issuance of a Certificate of Insurance.
12. No Assignment. The Contractor shall not subcontract, transfer or assign its obligations under the Contract Documents or any portion thereof without the prior written consent of the Town.

13. Termination. If the Contractor fails to perform this Agreement in accordance with its terms, the Town shall have the right, in addition to all other remedies it may have, to declare the Agreement in default and, therefore, terminated and to resubmit the Agreement for further bid. In that event, the Contractor shall pay the Town, as liquidated damages, the amount of any excess of the new Agreement Price over the Agreement Price herein provided for, both pro-rated to the period of time covered by the unexpired term of the Agreement at the time of default, plus any legal or other costs incurred by the Town in terminating the Agreement and securing a new contractor.

14. Contractor Personnel Must Be Authorized to Work. The Contractor confirms that it has complied with the obligations under the Immigration Reform and Control Act (IRCA) and that the employees, independent contractors and other personnel it provides under this Agreement are authorized for employment in the United States. The Contractor further confirms that it has properly completed I-9s for all employees assigned to the Town's place of business. The Contractor agrees to hold harmless and indemnify the Town in the event that any of the employees or other personnel provided by the Contractor are found not to be authorized to work under the law or in the event that there is a determination that the obligations set forth under IRCA, including, but not limited to, the failure to correctly prepare and maintain I-9s, have not been complied with by the Contractor. The Contractor agrees to indemnify, defend and hold the Town harmless against any claims brought against the Contractor or the Town as a result of these obligations, including but not limited to, settlement fees, judgments and attorneys' fees and costs.

15. Change Orders, Price Modifications, and Other Amendments. The Town shall have the right to require the Contractor to make alterations of, additions to and deductions from the Work. All such changes to the Scope of Work shall be made by a written change order written by the Town. The Contractor shall compute the effect of the change order upon the Agreement price, subject to review and acceptance by the Town. Any other changes or amendments to the terms of this Agreement and the other Contract Documents may be made only by a written document referencing this Agreement and executed by both parties.

16. Connecticut Law and Courts. This Agreement shall be governed by and construed in accordance with the internal laws (as opposed to the conflicts of law provisions) of the State of Connecticut and the parties irrevocably submit in any suit, action or proceeding arising out of the Agreement to the jurisdiction of the United States District Court for the District of Connecticut and the jurisdiction of any court of the State of Connecticut.

17. Execution. This Agreement may be executed in one or more counterparts, each of which shall be considered an original instrument, but all of which shall be considered one and the same agreement, and shall become binding when one or more counterparts have been signed by each of the parties hereto and delivered (including delivery by facsimile) to each of the parties.



IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first written above.

THE TOWN OF AVON

By \_\_\_\_\_

[name of contractor]

By \_\_\_\_\_

**GENERAL SPECIFICATIONS  
SURVEILLANCE CAMERA SYSTEM  
TOWN OF AVON**

**General Specifications**

**DVR & Networking**

The DVR must be able to be connected via Ethernet to the Town's network switch, which will be located in the same closet as the DVR Server. It should have the following features (at a minimum) Capable of recording 32 cameras for 30 days with variable per channel.

Motion detection per channel

Ability to block recording by section

Built-in or peripheral CD (or DVD) Burner

Simultaneous access by multiple users

Auto-reboot in case of power failure.

Search mode to include time & date, camera, and motion

Auto-recognition on USB 2.0 port for access by thumb drive or PC

Simultaneous play/record/backup/network

Multi-site/Enterprise level client software and web browser capable

Remote search and playback

Full remote system configuration from client software

Secure access including view only permission and full access

All power supplies, connections, and associated materials to make a complete and workable system

Two-year workmanship warranty from date of completion.

Response time 24 hours for non-emergencies and 4 hours for emergencies.

**Submittal Requirements**

Name of manufacturer, model numbers, brochures and specifications of all materials and equipment the contractor intends to supply and install. Should brand name items appear in this Invitation to Bid, the bidder must attach specifications for any substitutions they consider "or equal", and explain how the substitution compares with the named brand's specification. Include information about substitutions must be included with the bid package. The decision as to whether the substitution is acceptable rests solely with the Town of Avon.

**Alternates**

The base bid for the project includes all equipment and supplies except for cameras #24 – 27. The town seeks alternate prices to add these cameras on to the project once the base bid price is determined. The Town also seeks alternate price for a larger server than is specified in the base bid. The larger server shall be capable of recording 32 cameras for 60 days with variable per channel.

**Deduction Technical/Requirements for Cameras**

Cameras 10,11,12,13,14,15,16,17,18,19,20 are Outdoor Security Cameras, Infrared bullet with 1/3" CCD, NTSC Signal System, Resolution of 540 TV Lines or greater, Video Output of 1.0 Vp-p composite video at 75 ohms, 4.3 mm Lens, 16 pcs LED

**Technical Specifications/Requirements for Cameras**

Cameras 1 & 3 are Outdoor Security Cameras, Dual CMOS sensors capable of using both lenses independent as 1.3 Mega Pixel B&W lens, and 3 Mega Pixel color lens. Camera includes speaker and microphone, Passive Infrared motion detector, LED's, SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -

22°F to +140°F. Camera is dust & water tight, IP65, and comes with mounting bracket and corner mount. Camera internal DVR is complete with 64MB ring buffer. Camera lenses are 22mm, super wide angle. Cameras 2 & 4 are Dual Lens Mega Pixel Domes with wall mount and weather proof housings. Domes will have option to choose dual 3 Mega Color CMOS Sensors. Both sensors can be used simultaneous to create up to 180 degree panoramic view. Camera includes SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65, and comes with mounting bracket and corner mount. Camera internal DVR is complete with 64MB ring buffer. Camera lenses use dual 22mm Lens to create panoramic 180 degree field of view.

Camera 5 is Outdoor Security Cameras, Dual CMOS sensors capable of using both lenses independent as 1.3 Mega Pixel B&W lens, and 3 Mega Pixel color lens. Camera includes speaker and microphone, Passive Infrared motion detector, LED's, SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65, and comes with mounting bracket and corner mount. Camera internal DVR is complete with 64MB ring buffer. Camera lenses are 43mm.

Camera 6 is Dual Lens Mega Pixel Domes with wall mount and weather proof housings. Domes will have option to choose dual 1 Mega B&W CMOS Sensors. Both sensors can be used simultaneous to create dual viewing. Camera includes SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65, and comes with mounting bracket and corner mount. Camera internal DVR is complete with 64MB ring buffer. Camera lenses use Night 22mm and Night 43mm.

Camera 7 is discreet 180 degree Mega Pixel cameras. Equipped with color CMOS sensor capable of 3 mega pixel resolution and 11mm lens creates 360 degree view when ceiling mounted, or 180 degree view when wall mounted. Camera includes speaker and microphone, LED's, SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65. Camera internal DVR is complete with 64MB ring buffer and can create various views for monitoring the video. Camera is equipped with 10% Tilt bracket.

Camera 8 & 9 are discreet 360 degree Mega Pixel cameras. Equipped with color CMOS sensor capable of 3 mega pixel resolution and 11mm lens creates 360 degree view when ceiling mounted, or 180 degree view when wall mounted. Camera includes speaker and microphone, LED's, SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65. Camera internal DVR is complete with 64MB ring buffer and can create various views for monitoring the video.

Cameras 10-15 are Indoor Mega Pixel Domes with Vandal Proof Housing and 3 x External Microphones. Dome has CMOS sensor capable of 3 mega pixel color lens. Camera includes SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65, and comes with mounting bracket and corner mount. Camera internal DVR is complete with 64MB ring buffer. Camera lenses are 22mm, super wide angle. There will be (3) External microphones & speakers to be used in conjunction with the NVR Software.

Cameras 16-20 are Indoor Covert Mini Domes with 1/3.8" SONY progressive scan CMOS sensor with internal software support of Video Motion, Privacy mask and Visual Automation. Capable of 1.3 Mega Pixel Resolution at 700TVL. Camera supports POE, and must be supported by GV-NVR-1<sup>st</sup> Party software.

Camera 21 is Dual Lens Mega Pixel Domes with wall mount and weather proof housings. Domes will have option to choose dual 3 Mega color CMOS Sensors. Both sensors can be used simultaneous to create dual viewing. Camera includes SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65, and comes with mounting bracket and corner mount. Camera internal DVR is complete with 64MB ring buffer. Camera lenses use dual Day 22mm.

Camera 22 is Dual Lens Mega Pixel Domes with wall mount and weather proof housings. Domes will have option to choose dual 1 Mega B&W CMOS Sensors. Both sensors can be used simultaneous to create dual viewing. Camera includes SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65, and comes with mounting bracket and corner mount. Camera internal DVR is complete with 64MB ring buffer. Camera lenses use dual Night 22mm.

Camera 23 is Outdoor Mega Pixel B&W Camera has CMOS sensor capable of 1 mega pixel. Camera includes SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65, and comes with mounting bracket. Camera internal DVR is complete with 64MB ring buffer. Camera lenses are 22mm, super wide angle.

Camera 24 is Dual Lens Mega Pixel Domes with wall mount and weather proof housings. Domes will have option to choose dual 1 Mega B&W CMOS Sensors. Both sensors can be used simultaneous to create dual viewing. Camera includes SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65, and comes with mounting bracket. Camera internal DVR is complete with 64MB ring buffer. Camera lenses use Night 22mm and Night 43mm.

Camera 25 & 26 are Dual Lens Mega Pixel Domes with wall mount and weather proof housings. Domes will have option to choose dual 1 Mega B&W CMOS Sensors. Both sensors can be used simultaneous to create up to 180 degree panoramic view. Camera includes SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65, and comes with mounting bracket and corner mount. Camera internal DVR is complete with 64MB ring buffer. Camera lenses use dual 22mm Lens to create panoramic 180 degree field of view.

Cameras 27 are Outdoor Security Cameras, Dual CMOS sensors capable of using both lenses independent as 1.3 Mega Pixel B&W lens, and 3 Mega Pixel color lens. Camera includes speaker and microphone, Passive Infrared motion detector, LED's, SD Memory Stick Slot for internal recording, Power-over-Ethernet, has no internal moving parts, operating conditions of camera are -22°F to +140°F. Camera is dust & water tight, IP65, and comes with mounting bracket and corner mount. Camera internal DVR is complete with 64MB ring buffer. Camera lenses are 135mm.

### **Technical Specifications/Requirements for Monitors**

Two (2) Samsung 26" 720p LCD HDTV Model LN26B460 wall mounted with tilt mounting bracket to be mounted in the dispatch area. Mounting location to be determined by police Chief or his designee.

One (1) Samsung 37" 1080p LCD HDTV Model LN37B550 wall mounted with tilt mounting bracket to be mounted in Sergeant's Office. Mounting location to be determined by Police Chief or his designee.

One (1) Samsung 46" 1080p LCD HDTV Model LN46B550 wall mounted with tilt mounting bracket to be mounted in dispatch area. Mounting location to be determined by police Chief or his designee.

One (1) Network Video Recorder (NVR) and storage server. NVR software that will handle 32 IP Cameras, license fee, and free upgrades. Software to contain facial indexing, Unattended object detection, Missing object detection, Visual Automation, Scene Change Detection, Object Tracking and Zooming, People Counting, Single Pan Tilt Zoom Tracking. Storage server includes Intel Quad Core Processor, 4GB RAM, 6TB Hard Drive, separate graphic card, 500MW Power supply, Windows XP PRO in Rack mount case. NVR to be connected to towns Monitor.

One (1) 60 Day Backup Storage Server with 5 year warranty on Hard Drive, and 3 year warranty on Server.

One (1) Work Station, 1024 RAM, 500gig Hard Drive, 2 VGA Graphic Cards. Software to handle up to 500 video feeds (analog & IP). Cabling to connect to three monitors in dispatch area

### **Misc. Materials**

Cat5e cable

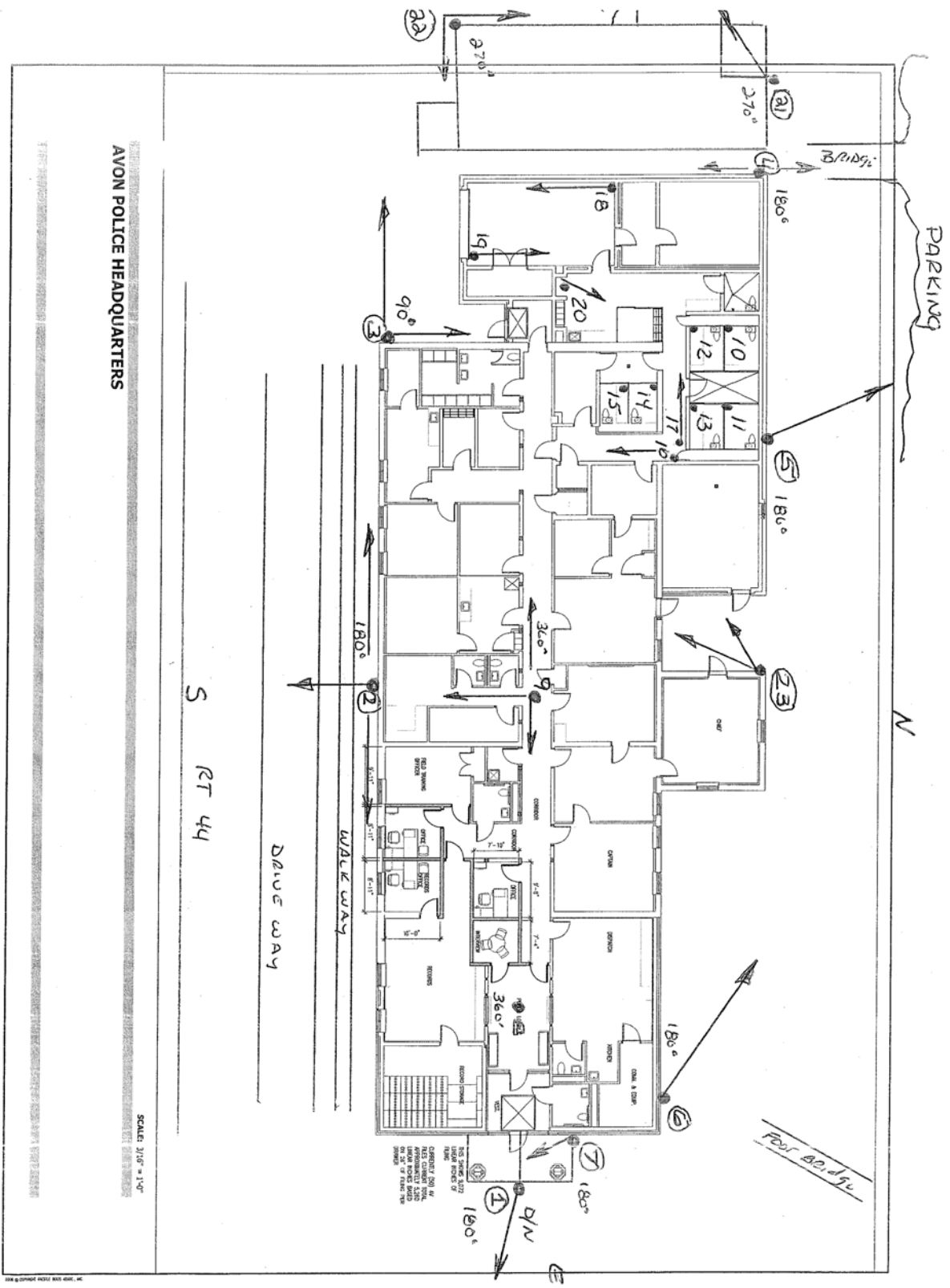
RJ45 Connectors for Cat5e

Provide POE Switches, cable, connectors and miscellaneous materials to complete project.

### **General Support Requirements**

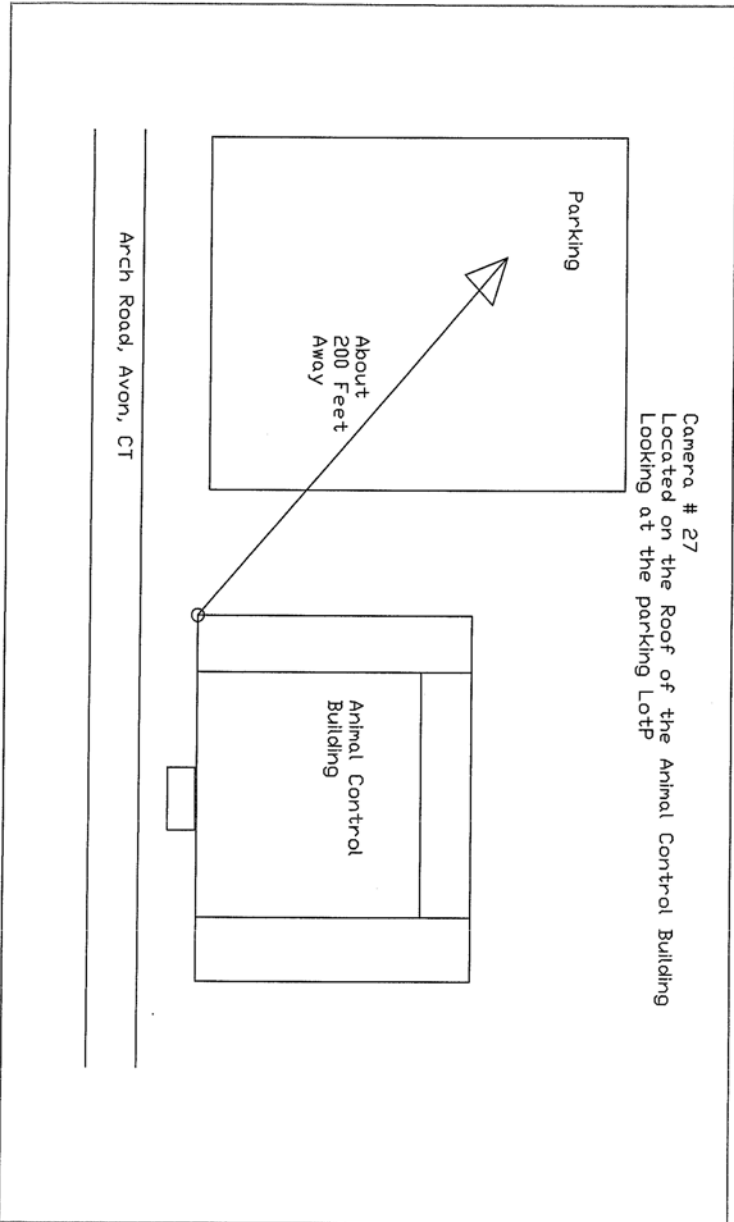
The entire systems, parts and labor shall be covered by a minimum two (2) year warranty.

Contractor must provide two (2) sets of installation, operation and equipment manuals for all equipment.

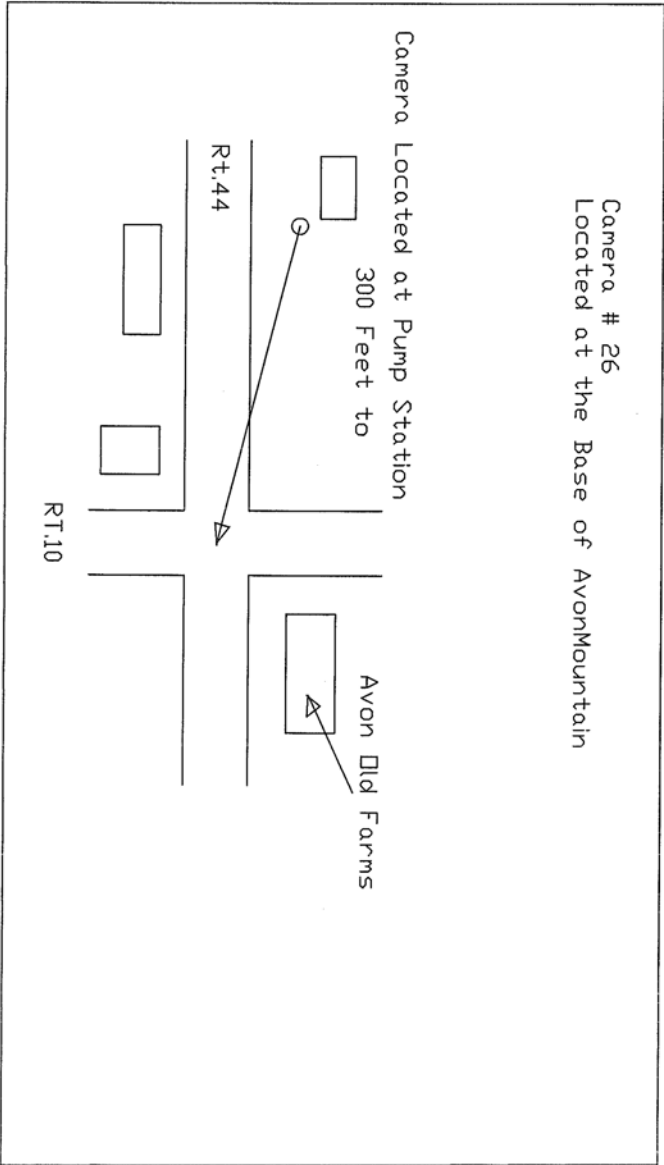


AVON POLICE HEADQUARTERS

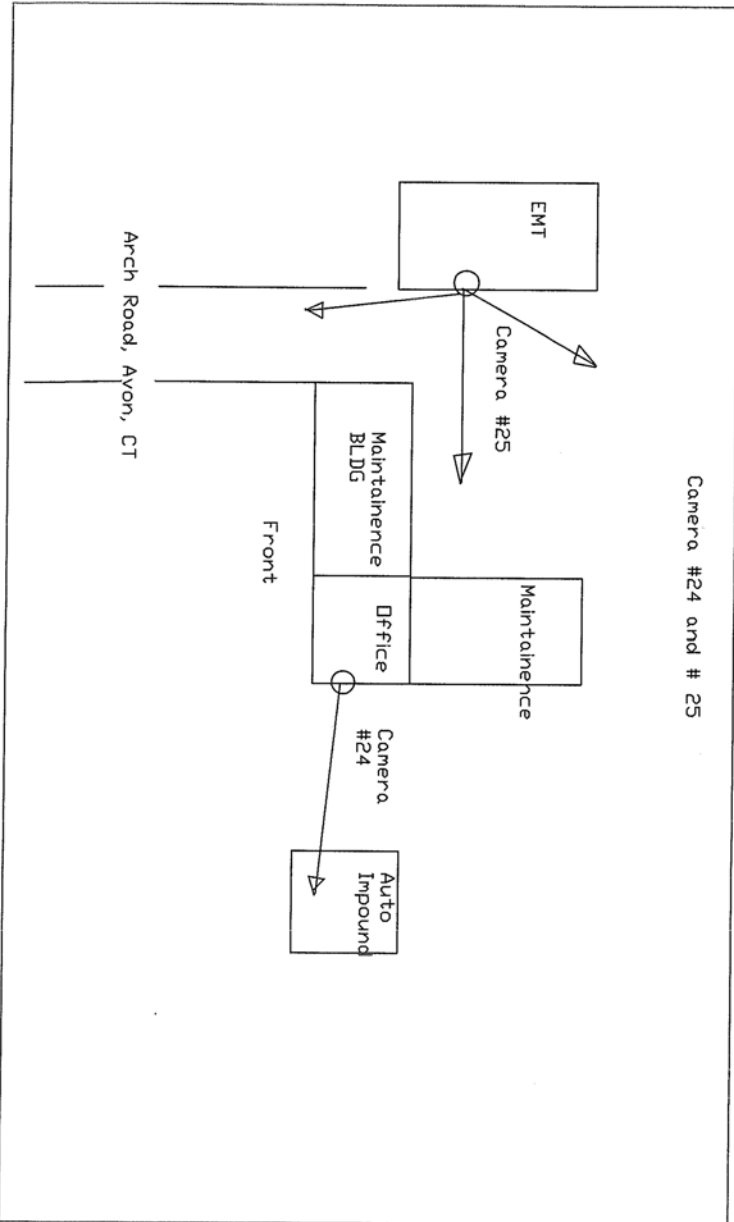
SCALE: 3/8" = 1'-0"



Camera # 26  
Located at the Base of AvonMountain







Camera #24 and # 25