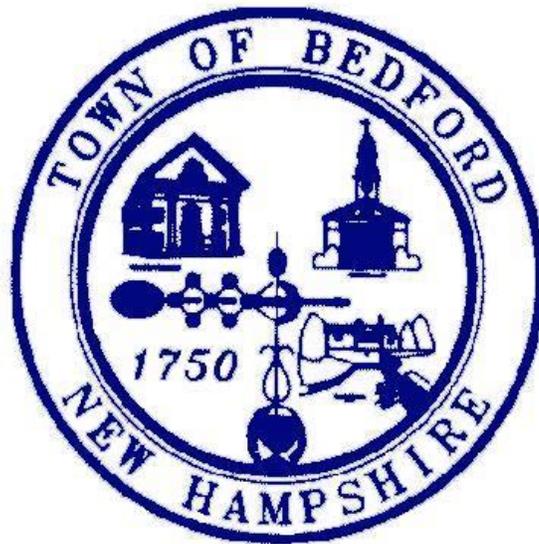


**Request for Proposal (RFP)**  
**Law Enforcement Video System;**  
**Integrated In-Car, Body Camera and**  
**Evidence Management Solution**



**Responses Due:**

Town of Bedford, NH

Attn: Town Manager

24 North Amherst Road

Bedford, NH 03110

(603) 472-5242

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## **SECTION 1 – Introduction:**

### **Background Information:**

The Town of Bedford, New Hampshire, fifty miles from Boston and adjacent to the state's largest city of Manchester, is viewed as an upscale residential town with a population of approximately 23,000. The majority of Bedford is residentially zoned. Many major retailers such as Kohl's, Whole Foods, Walmart, Target and Lowes are proud to be located in Bedford.

Boasting a highly-educated population with many employed in technical areas of endeavor, Bedford places a high degree of importance on education and has a highly regarded school system. Bedford is home to the Segway and its inventor, Dean Kamen. Saint Anselm College, the University of New Hampshire at Manchester, Manchester Community Technical College, Southern New Hampshire University and Massachusetts College of Pharmacy of New Hampshire are all located within easy commuting distance from Bedford.

Manchester-Boston Regional Airport, with direct access from Bedford, allows convenient air travel to most any location in the US and Canada. I-93, I-293 and Route 3 allow easy auto travel to the Lakes Region and White Mountains to the north and to Boston, the I-495 and Route 128 corridors to the south.

A charter form of government, with a Town Council of seven members to govern the Town and a Town Manager responsible for day to day operations and services, provides a traditional old-style New England form of government with the modern amenities of the twenty-first century. The state of New Hampshire has no broad base sales or income tax.

Close to build-out, Bedford offers a comfortable, stable community environment with the New England-style of living which attracts our residents to live here and our businesses to be located here. Bedford is proud to be a member of the Greater Manchester Chamber of Commerce and is always willing to help the growth of our existing businesses or to welcome a new company to our community.

### **RFP Purpose and Scope:**

The Town of Bedford is requesting proposals to equip eleven (11) police cruisers with digital in car video systems with thirty (30) integrated body cameras. An additional two (2) in car units with one (1) camera each are to be installed in building interview rooms and one unit in the booking room with five (5) cameras. A cloud based storage system capable of long term storage and retrieval with associated software must be available. See product specifications section for requirements.

## **SECTION 2 – RFP INSTRUCTIONS, RESPONSE AND SUBMITTAL CHECKLIST:**

### **Vendor shall submit a response in the following format:**

1. Vendor shall create one (8) original responses (labeled “original”) with original signature and one (1) digital PDF copy for a total of 9 responses.
2. The submission shall be sent to the contact at the address listed on the RFP, on or before the date shown.
3. The original submission shall be indexed with tabs as follows:

Section 1: RFP Cover Sheet (1page) & Summary Letter (1 page only)

Section 2: Scope of services

Section 3: Answers to Questions

Section 4: Pricing Schedule

Section 5: Additional Support Materials of Vendor

A proposal must be in writing, and must be delivered by mail or in person. Oral, telephonic, facsimile, telegraphic, or electronically transmitted Proposals are invalid and the town will not accept or consider them.

Proposals may be filed in person at the Town Office or by mail, but in any case must be received in the Town Office by 4:00 p.m. on May 24,2019. Late proposals or postmarks will not be accepted. All proposals received will be retained by the Town of Bedford.

Proposals should be submitted in a sealed envelope bearing the name “Request for Proposal for Law Enforcement Video System; Integrated In-Car, Body Camera and Evidence Management Solution” and be submitted to

Mr. Rick Sawyer  
Town Manager  
24 North Amherst Road  
Bedford, NH 03110

The Town reserves the right to reject all proposals, to request additional information concerning any proposals for purposes of clarifications, to accept or negotiate any modifications to any proposal, following the deadline for receipt of all proposals, and to waive any irregularities, if such would serve the best interest of the Town, as determined by the Town Council.

**RFP Timeline:** (all dates are tentative)

DATE	DESCRIPTION
April 8, 2019	RFPs available to vendors
April 26, 2019	Written questions from vendors due
May 10, 2019	Answers from Town of Bedford, NH
May 24, 2019	RFP submissions due to Town of Bedford by 4:00pm

**RFP Contact:**

All questions regarding the RFP shall be submitted to Captain Scott Plumer by the date specified in the timeline.

Captain Scott Plumer, (603) 792-1357

splumer@bedfordnh.org

**RFP Evaluation:**

If an award is made as a result of this RFP, it shall be awarded to the respondent whose proposal is most advantageous to the Town of Bedford with price and other factors considered. These include, responses to the RFP questions; demonstrated technical ability and expertise; financial stability; reference calls and/or recommendations; memberships, licenses, ISO Certifications or any other applicable membership or certifications; presentations to the evaluation team (if applicable); on-site visits at vendor's site (if applicable), product samples which the Town of Bedford may, at its discretion, request as part of the RFP process; any additional criteria deemed appropriate by Town of Bedford which would lend itself to establishing the Service Provider's viability to perform the work as outlined in this RFP.

The Town of Bedford may require all vendors to provide financial statements for the past two years to determine each vendor's financial ability to provide long term service for the Town of Bedford. Proposals will become public record and those documents that are confidential or trade secrets must be marked accordingly.

Ongoing service agreements included with the RFP must include specific response times and financial penalties for the vendor if Service Level Agreement commitments are not met.

Town of Bedford will require all vendors to provide cost estimates for required software upgrades and maintenance for the next five years if these expenses are not included in an ongoing service agreement.

**Evaluation Criteria:**

**1. Qualifications of Firm –**

Strength and stability of the firm; strength, stability, experience and technical competence of sub-consultants; logic of project organization; adequacy of labor commitment.

**2. Qualifications of Personnel –**

Qualifications, education and experience of project staff; key personnel’s level of involvement in performing related work.

**3. Related Experience –**

Experience in providing services similar to those requested herein; experience working with public agencies; assessment by client references

**4. Completeness of Response –**

Completeness of response in accordance with RFP instructions; exceptions to or deviation from the RFP requirements; inclusion of required licenses and certifications.

**5. Reasonableness of Cost and Price –**

Reasonableness of the individual firm-fixed prices and/or hourly rates, and Competitiveness of quoted firm-fixed prices with other proposals received; adequacy of the data in support of figures quoted; basis on which prices are quoted.

**False or Misleading Statements:**

Vendors must take great care to ensure that sufficient information has been provided to allow the Town of Bedford to evaluate the technical solution being offered, any options proposed, pricing of all offerings, and all supporting information, technical documentation, references and points of contact, corporate capabilities, etc.

Vendors understands that if, in the opinion of the Town of Bedford, a proposal contains false or misleading information of any kind, or does not contain sufficient detail to fully evaluate the technical solution or proposed price, the Town of Bedford reserves the right, in its sole discretion, to reject the proposal. Vendors also understands that if the information provided does not support a Function, attribute, capability or condition as proposed by the vendor, the Town of Bedford may reject the proposal. Vendor understands that any modifications to the questions in this RFP by the bidder may result in immediate rejection of that proposal.

**Acceptance of Proposal Content:**

Vendor understands that the Town of Bedford reserves the right to award a contract without further discussions or clarifications with vendors. Thus, the contents of the RFP response and all pricing, terms and statements contained therein will be binding upon Vendor. Upon acceptance of the Proposal by the Town of Bedford, the successful Proposal, including all terms, conditions and pricing contained therein, will be incorporated into the awarded contract. Vendor understands that failure of the potentially successful offer or to accept this obligation may result in the selection of another offer or rejection of the submitted Proposal.

Vendor must take great care to respond to all requirements of this RFP to the maximum extent possible. Vendor must clearly identify any limitations and/or exceptions to the requirements inherent in the proposed system. Vendor further understands that alternative approaches will be given consideration if the proposed approach clearly offers increased benefits to the Town of Bedford.

**No Obligation to Buy:**

**The Town of Bedford reserves the right to refrain from contracting with any vendor. The release of this RFP does not compel the Town of Bedford to purchase.**

**Withdrawal of Proposals:**

Vendors may withdraw a proposal that has been submitted at any time up to the proposal closing date and time. To accomplish this, a written request signed by an authorized representative of the vendor must be submitted to the RFP Contact. The vendor may submit another proposal at any time up to the proposal closing date and time.

**Cost of Preparing Proposals:**

The Town of Bedford is not liable for any costs incurred by vendors in the preparation and presentation of proposals and demonstrations submitted in response to this RFP.

**Damage Liability:**

The successful vendor is liable and responsible for any damage to the premises (e.g., floor, walls, etc.) caused by vendor personnel or equipment during installation and is responsible for the removal of all project-related debris.

**Permits:**

The vendor shall obtain and pay for any permits and licenses required for the performance of the work, post all notices required by law, and comply with all laws, ordinances and regulations bearing on the conduct of the work, as specified herein. On any work that requires an inspection certificate issued by local authorities, National Board of Fire Underwriters, or any other governing body, such inspection certificate(s) shall be obtained by and paid for by the vendor. The chosen vendor shall procure all required certificates of acceptance or of completions issued by the state, municipal or other authorities and must deliver these to the Town of Bedford.

**Insurance:**

The vendor shall, at vendor expense, procure and maintain satisfactory public liability and casualty insurance to adequately protect the vendor's personnel and the Town of Bedford against damages for bodily injury, including death, that may arise from operations under this contract, whether such operations are by the vendor or by the vendor's subcontractor, or anyone directly or indirectly employed by the vendor.

The Town of Bedford will require the vendor with which a contract is established, prior to commencement of work, to provide evidence of appropriate professional liability insurance, errors and omissions insurance and workers' compensation insurance coverage as needed.

Such Coverage must be provided by an insurance company (ies) authorized to do business in the State of New Hampshire. Certificates must name the Town of Bedford as an Additional Insured and shall provide that contractor's policy is primary over any insurance carried by the Town of Bedford and that the policy will not be cancelled or materially changed without thirty (30) days prior notice in writing to the Town of Bedford. The successful vendor must agree, if awarded a contract as a result of its proposal, to indemnify and hold harmless the Town of Bedford, its officers, agents and employees from any and all claims and losses accruing or resulting to persons engaged in the work contemplated by its proposal or to persons who may be injured or damaged by the firm or its agents in the performance of the work. Prior to commencement of any work, these and other provisions will be established contractually.

**Vendor Responsibility:**

Unless otherwise stipulated, vendor shall provide, and pay for, all materials, labor, tools, equipment, transportation, and other facilities necessary for the performance and completion of the work. Vendor shall verify conditions at the building, particularly door openings and passages. Any pieces too bulky for existing facilities shall be hoisted and otherwise handled with apparatus as required.

**RFP Responses:**

All materials submitted by the vendor in response to this RFP become the sole property of the Town of Bedford upon receipt of the proposal. The material contained in these responses will be appended to the final contract, further defining the contractual responsibilities of the vendor. The Town of Bedford shall not reimburse any vendor for the cost of responding to this RFP. Any documentation that is to be considered confidential must clearly be identified as confidential or it will become part of the public records of the Town of Bedford.

## SECTION 3-SCOPE OF SERVICES:

### Summary of Requirements:

The purpose of these specifications is to provide the Bedford, NH Police Department with integrated digital in-car video and body camera for law enforcement and emergency vehicle use at the lowest possible price with respect to officer use, quality, upgradeability, and other considerations. These specifications are the MINIMUM standards allowed, and are to include mounting hardware, cables, and all necessary equipment for an installed and working system. In consideration of the specifications, this agency has taken into account court acceptance, staff involvement, storage, and hidden cost or lack thereof in setting the minimum standards.

Upon request of the Bedford Police Department, a working demonstration shall be provided by a representative of the bidder or by delivery of a sample unit to the agency within 15 working days of the written request. Any and all cost related to this demonstration shall be incurred by the bidder.

### Quantity:

In-Car systems: Eleven (11)

Body Cameras: Thirty (30)

Interview Rooms: Two (2), Two (2) Cameras

Booking Room: One (1), Five (5) Cameras

### Specifications:

Item #	Specification	Meets Specification?	
		Yes	No
1	<b>High Definition Video Recording</b> - System must record video at 1280x720 resolution (720P) with a 16:9 wide screen aspect ratio.		
2	<b>DVR Mounting</b> - The DVR must be able to be mounted in a center console with a 2" faceplate adapter. System must also offer a universal bracket for mounting anywhere in the vehicle, including the trunk if space demands.		
3	<b>Dual Drive Architecture</b> - System must deploy a dual-drive architecture consisting of a removable solid state USB Flash Drive no smaller than 16GB in size and the choice of an integrated 64GB solid state drive or automotive grade hard drive at least 200GB in size. System must support larger USB Flash Drives as well.		
4	<b>Multiple Video Transfer Mechanisms</b> - System must support video transfer via 802.11n wireless, wired Ethernet, or USB Flash Drive (manual transfer).		

Item #	Specification	Meets Specification?	
		Yes	No
5	<b>Automatic Transfer</b> - System must automatically transfer video the moment the vehicle is in range of the wireless network or connected to the wired network. The user must not be required to initiate the transfer in any way.		
6	<b>Partial Transfers</b> - System must support a vehicle driving off or losing its network connection during video transfer without losing any video. The user must not be required to interface or initiate this in any way. When the system reestablishes a network connection, the upload must resume where it left off.		
7	<b>Protected Events</b> - The DVR must protect the buffered version of the event until the server confirms receipt of the entire record event, regardless of the transfer mechanism.		
8	<b>Integrated Automotive Grade Hard Drive</b> - To ensure recording under all conditions, the system shall have an integrated automotive grade rotating hard drive at least 200 gigabytes in size. The hard drive shall have a shock tolerance of at least 200Gs and an operational temperature range of -40F to +185F degrees.		
9	<b>Optional Integrated Solid State Drive</b> – The system must also support an integrated solid state drive at least 64 gigabytes in size. This drive shall have a shock tolerance of at least 200Gs and an operational temperature range of -40F to +185F degrees.		
10	<b>Graphical User Interface</b> - For ease of operation, the system settings, hard drive playback, and supervisor controls are to be accessed through a graphical user interface. No text based user interfaces shall be acceptable. System keys and buttons shall provide a tactile feedback and an audio feedback on key presses.		
11	<b>Selectable Officer Names</b> - The system shall include a simple method for selecting a programmed officer name from a list for rapid login at shift changes. System shall be fully functional if the Officer fails to login.		
12	<b>Saved Officer Setting</b> - The system shall have user preference settings that include: LCD Screen Brightness, LED Indicator Brightness, Volume, and Front Camera Auto-Zoom. These setting shall be saved so that when the user logs back in, their settings are restored.		
13	<b>LED, Touch Screen Display</b> - The system shall have an LED backlit, touch screen liquid crystal display (LCD) that is no less than 4.3 inches (measured diagonally). The display shall have a resolution of at least 480x272, a typical brightness rating of at least 500 nits, a typical contrast ratio of at least 300:1, and a minimum viewing angle of 60 degrees left and right of center for a total of 120 degrees horizontally.		
14	<b>High Quality Audio Subsystem</b> - The system must have speakers built into the remote display control panel for in-car video playback.		

Item #	Specification	Meets Specification?	
		Yes	No
15	<b>Optional Mobile Data Computer Interface</b> – The system shall have the ability to interface with the vehicle's mobile data computer (MDC) with optional software provided by the vendor that allows the user to perform at least the following functions; login and logout, camera and microphone activation, record and stop, record event categorization and record event playback. Software shall support Windows XP SP3 and Windows 7 (32 and 64 bit). Connection between the DVR and MDC shall be Ethernet. Application must support touch screen interface. Application shall not leverage the MDC for any processor intensive DVR tasks including, but not limited to video encoding and/or video conversion.		
16	<b>Optional Live Video Streaming</b> – System must be able to output one or two video streams optimized for LVS applications without requiring additional hardware and without sacrificing the system's ability to record 4 high resolution video streams.		
17	<b>LED Indicators for Audio, Video and Record</b> - To ensure Officer awareness, the system must have LED indicators showing record, microphone, and camera activity.		
18	<b>System Power-Up Behavior Control</b> - The system power behavior must be configurable to allow a supervisor to independently set the system to manually or automatically turn on or off with the vehicle.		
19	<b>System Shut Down Timers</b> - The system must have two independently configurable shutdown timers, selectable from 0 to 60 minutes each that begin after the ignition is turned off. Timer 1 shall simply delay the system's recognition that the ignition has been turned off. Timer 2 must be a low power state timer that allows video to transfer wirelessly and firmware upgrades to continue. If there is no video to transfer or firmware upgrades to perform, Timer 2 must expire and shutdown the system immediately.		
20	<b>Screensaver</b> - For the comfort and convenience of the users, especially nighttime users, the system must have a screensaver setting that automatically turns off the LCD monitor after a pre-set amount of time. Another setting shall determine if a recording automatically disables Screensaver. Regardless, any button push or touch screen press shall exit screensaver. Screensaver must also be able to be active only when the camera is configured for Night View. The settings shall be saved independently for each user and be remembered when the user logs in.		
21	<b>Multiple Resolution Encoding</b> - The system must record the front camera in two resolutions at all times. One resolution must be 1280x720 (720P) and the other resolution must be a minimum of 864x480 (480P).		
22	<b>Critical Event Rules</b> - In order to maintain an average file size of approximately 1 gigabyte per hour, the system must be configurable to allow each Event Category to be saved in either the maximum or standard resolution. On average, approximately 10% of our agency's recordings will be kept in maximum resolution.		

Item #	Specification	Meets Specification?	
		Yes	No
23	<b>DVR-Side Event Rules</b> - The record event must be complied with either the standard or maximum resolution (based on the Event Category Rule) in the DVR so that the un-needed version is not transferred to the server. This will optimize both video storage on the server and video transfer speeds. Any system that uploads 100% of video in High Definition will not be considered.		
24	<b>H.264 Compression</b> - The system must compress all video with H.264 High Profile (not Baseline or Main).		
25	<b>Adjustable Pre and Post Event Recording</b> - The system must be capable of automatically capturing and appending both pre-event and post-event video for as little as 15 seconds and up to 10 minutes per event. These settings are to be independently adjustable and restricted by a supervisor. Pre- and post-event times must be continuous with the record event. Systems that record pre- and post-event times onto separate video events will not be acceptable.		
26	<b>Simultaneous Record and Playback</b> - System shall be able to playback previously recorded video while simultaneously recording new video on two cameras and two microphones simultaneously.		
27	<b>Disc Usage Meter and Low Disc Warnings</b> - The system shall have 2 on-screen Disc Usage Meters that graphically show the user how much video is on the current USB Flash Drive and the internal Hard Drive along with how much space remains. Additionally, the system shall have audible and visual warnings when the drive is nearing its capacity.		
28	<b>Automatic Video Overflow Handling</b> - When a USB Drive fills to video capacity during a recording, the system will automatically store overflow video on the integrated hard drive until a new USB Drive is inserted. The system shall be capable of “overflowing” at least 5 USB Drives worth of Video.		
29	<b>Covert Recording</b> - To allow the user to covertly record, the system shall have the ability for the user to quickly disable the system’s screen and LED indicators while automatically activating all audio and video recording.		
30	<b>Crash Detection</b> - The system must include a 3-axis, solid-state crash detection sensor that is adjustable to different G Force impact levels. In order to prevent improper installation, the sensor must be factory integrated into the DVR enclosure. Settings must be provided through the system’s graphical menu to allow the agency to choose an appropriate crash sensor sensitivity level in order to minimize false crash detections.		
31	<b>Record Triggers</b> - The emergency lights, siren, auxiliary input, wireless microphone, vehicle speed, and crash detection sensor may all be programmed to automatically activate a new record event.		
32	<b>Event Categorization</b> - System must allow record events to be categorized via the on screen menu. Categorization selections must be administratively configurable and allow selection via a pre-defined list, numeric text, or alphanumeric text input.		

Item #	Specification	Meets Specification?	
		Yes	No
33	<b>Programmable Event Categories</b> - System must allow the agency to program up to six different event category prompts in order to collect data deemed relevant regarding each record event. Event prompts must display automatically after each event recording has been stopped by the Officer. Prompts must not preclude the system from continuing to record video to its buffer.		
34	<b>Recorded Metadata</b> - System must record event metadata including but not limited to event category, date, time, officer name, record status, microphone status, emergency lighting status, brake status, GPS coordinates, etc. for fast searching and video navigation.		
35	<b>Auto Stop</b> - The system must have a means of detecting when the system is inadvertently left in record mode. The system must allow an option to prompt the user or automatically stop the record event.		
36	<b>Record-After-the-Fact</b> - System must have a graphical user interface for recording any portion of the hard drive buffer (events and non-events) as a new recording. This feature must allow the agency to go back at least 45 hours to capture video not previously recorded.		
37	<b>Multiple Camera Support</b> - The system must support a minimum of two (2) cameras with the ability of supporting up to six (6) cameras. Users must be able to activate up to all six (6) of the cameras to record simultaneously through the system's graphical menu. All cameras selected must have the ability of being displayed on the systems display simultaneously while also providing the user with the ability to isolate anyone of the camera images without disrupting the recording of the other cameras. LED indicators for each camera/video stream shall be present and illuminate when its corresponding camera/video stream is active.		
38	<b>Multiple Video Stream Support</b> – System must be capable of creating six (6) separate video streams simultaneously, including: one 720p H.264 HP stream, one 480p H.264 HP stream, two D1 H.264 HP streams, and two output streams optimized for low bandwidth LVS applications.		
39	<b>High Definition Front Camera</b> – The front camera shall be capable of recording video in multiple resolutions, including 1280x720 (720P) High Definition.		
40	<b>Ultra-Wide Dynamic Range Camera</b> – The front cameras that utilize dual exposure technology to create an optimally exposed image under all lighting conditions and eliminate any need for a manual backlight compensation mode to compensate for backlighted conditions (i.e. dusk or dawn).		
41	<b>Camera LUX Rating</b> - Cameras must be 0.85 LUX or better when operating with normal video settings (measured in full color mode, 30 frames per second, and a shutter speed of 1/60th of a second). LUX ratings that claim 0.85 LUX or better only when operating with non-standard camera settings (like IR modes, slow shutter modes, or reduced frame rates) will not be considered.		

Item #	Specification	Meets Specification?	
		Yes	No
42	<b>Panoramic Camera</b> – The system shall include a compact camera that has two high definition cameras built into one housing: a 138° Panoramic Camera and a 68° main forward facing camera. The camera housing must mount behind the rearview mirror to provide minimal interference with a user’s line of sight while driving.		
43	<b>Optional Zero Sightline Camera</b> – The system shall include a compact camera that has no interference with a user’s line of sight while driving. It must be able to be neatly installed behind the rearview mirror. This camera must have the capability of recording high definition video with a 16:9 aspect ratio and 68 degree field of view.		
44	<b>Optional Zoom Camera</b> – The system shall have the option to upgrade to a zoom camera capable of a total zoom of at least 12x optical zoom. It shall be capable of recording high definition video with a 16:9 aspect ratio and 57 degree field of view.		
45	<b>Camera Controls</b> - The front zoom camera must have backlit controls on the camera back for auto-zoom, zoom in, zoom out, auto-focus, focus far and focus near. All camera controls must also be accessible using the system's touch screen control panel with the addition of the following controls: backlight compensation and night view mode.		
46	<b>Backseat Camera</b> - The back seat camera must be a high resolution color camera with at least 420 TV lines of resolution and provide at least 1 LUX sensitivity without the aid of IR lights and the ability to record in total darkness with the aid of IR lights. Black & White cameras shall not be acceptable. Bid price must include a color backseat camera.		
47	<b>Nighttime Optimization</b> - The camera’s nighttime optimization setting (Night Mode) must engage and disengage automatically by the DVR without any user intervention in order to eliminate the possibility of the user forgetting to enable Night Mode.		
48	<b>Separate Audio Channels</b> - In order to isolate the audio during playback between the wireless microphone(s) and the cabin microphone using a standard left/right stereo fader control, the system shall record the audio tracks separately onto the left or right channel. One wireless microphone and one cabin microphone must be standard with the option to upgrade to a second wireless microphone. All microphones must be recorded on separate channels.		
49	<b>Simultaneous Audio Recording</b> – Both the main wireless microphone and cabin microphone audio recording sources must be able to record regardless of what cameras are being recorded. If a second wireless microphone is added to the system, there must be independent control of each microphone through the different video streams.		

Item #	Specification	Meets Specification?	
		Yes	No
50	<b>High Fidelity Wireless System</b> – The system must include a High Fidelity 900MHz wireless microphone system consisting of a belt pack transceiver and a single charging / synchronization base mounted in the vehicle with the option of adding a second High Fidelity 900 MHz wireless microphone system. The wireless microphone(s) must have <b>near CD audio quality</b> , a 1 to 2 mile line of sight range, and building penetration capabilities.		
51	<b>High Fidelity Wireless Transceiver</b> – The belt pack transceiver must have a lithium polymer rechargeable battery. The transceiver must have its primary audio pick up and antenna built into the transmitter so full operation is possible without a wired lapel microphone or external antenna. Systems with external antennas will not be acceptable as to the risk of restricting officer movement or causing damage to the antenna due to officer activity.		
52	<b>Multi-Mode Transceiver Alerts</b> - Transceiver shall allow the user to set the transceiver’s alert mode to accommodate all tactical environments. Alert modes shall include: Beep Only, Beep and Vibrate, Vibrate Only, and Silent.		
53	<b>Variable Transmit Power</b> - In order to produce the longest battery life, the transceiver shall utilize automatic Variable Transmit Power so only necessary transmitting power is used. When needed however, the Transceiver shall automatically transmit at the FCC’s maximum allowable power of 50 milliwatts.		
54	<b>Automatic Microphone Activation</b> - The wireless microphone(s) must have the ability to trigger the camera to record, and the camera system must be able to automatically turn on the wireless microphone(s) when the recorder is activated.		
55	<b>Charging / Synchronization Base</b> - Each wireless microphone shall include a single in-car charging / docking base that automatically synchronizes the communication link when the belt pack transmitter is docked into the base. The Base must also have LED indicators for “charging” state an “in-use” state. Systems with separate charging and synchronizing bases will not be acceptable as this will increase the amount of equipment that needs to be installed in the vehicles.		
56	<b>Microphone Power Management</b> - To simplify installation, the charging/docking station must draw power from the video system, and does not require running additional power cables from the vehicle's electrical system. In addition, when the system is turned off, it must automatically cut power to the Charging Base after allowing the wireless transceiver to fully charge in order to minimize power drain on the vehicle’s battery.		
57	<b>Unique Synchronization</b> - Any wireless transmitter(s) shall be capable of synchronizing to any base via the docking cradle which will disable any previously docked transmitter.		
58	<b>40 Digital Channels</b> - The wireless recording system shall consist of 40 individual channels to avoid multiple systems at the same incident recording on another system.		

Item #	Specification	Meets Specification?	
		Yes	No
59	<b>Cabin Microphone</b> - Each system must include an internal cabin microphone that will record on a separate sound audio channel from the wireless microphone system when activated. This microphone must be amplified in order to clearly pick-up even the faintest of conversations. Additionally, this microphone must be wired and extendable so that it may be installed in an optimal location for any type of vehicle.		
60	<b>Charging and Talk Time</b> - The wireless microphone transceiver with low battery shall become fully charged within 2.5 hours of being placed in the charging station and provide a quick charge feature, which after ten (10) minutes of charging provides 50% battery life. When in-use, the wireless transceiver shall allow for up to 30 hours of continuous talk time and up to 25 days of standby time.		
61	<b>No Deleting or Overwriting Video Shall be Possible</b> - To guarantee data security and integrity, the system shall be able to ensure that the user cannot delete, edit, or erase video data from either the hard drive buffer or the USB Flash Drive.		
62	<b>Supervisor Controls</b> - The system must provide the ability to restrict access to any and all settings by way of supervisor passwords. Multiple supervisors and supervisor passwords must be supported.		
63	<b>Media Security</b> - Access to the USB Flash drive must be secured by a lock to protect from unauthorized access.		
64	<b>Video Authentication</b> - Video must be subjected to a 128-bit MD5 hash prior to being transferred from the DVR to the Server. Every file transfer from then on must include another hash of the file so that the results can be compared and logged each time the file is moved. The results of every hash must be logged and accessible and exported with each record event.		
65	<b>Video Review Access Permissions</b> - The system must allow the agency to restrict video review access in the car. This must not be a single setting that locks out video review altogether. Officers must be able to review their own video. However, with Supervisor or Administrator privileges (configurable) the agency shall be able to review all video buffered on the hard drive.		
66	<b>Cables</b> - The system will include cables necessary for a complete vehicle installation including all power cables, all vehicle system input cables, etc.		
67	<b>Optional GPS</b> - The system must offer the capability of maintaining the location of the patrol vehicle by Global Positioning System (GPS). When installed, the system shall be able to show vehicle coordinates and speed in the on screen text and recorded meta data. Additionally, GPS shall allow the system to automatically and continually update its date and time to ensure accuracy across the fleet.		
68	<b>One Year Warranty</b> - Warranty shall be a minimum of one (1) year from the date of shipment.		
69	<b>Cloud Based Evidence Library</b> - System must upload to a cloud based evidence storage capable of storage for 180 days. Show pricing for yearly cloud based storage fee. Unlimited users must be able to access the video.		

Item #	Specification	Meets Specification?	
		Yes	No
70	<b>Client Web Application</b> - System must support a client application that runs in common modern browsers such as Internet Explorer, Edge, Chrome, and Safari.		
71	<b>Device Management</b> - System must push configurations and firmware upgrades wirelessly and without any user intervention in the car. Settings must be group based to allow a single setting change to affect a large number of cars instantly.		
72	<b>Firmware Upgrades</b> - Once pushed to the in-car DVR wirelessly, DVR firmware upgrades must occur without any user intervention in the car.		
73	<b>Security Management</b> – System must have the ability to integrate with Active Directory. System must have fully customizable user and group based permission that allow administrators to tailor each user's ability to use the system. Specific permissions must be able to allow access to; login and view one's video, other's video, restricted video, export video, evidence management, security management, fleet management, edit event data.		
74	<b>Evidence Management</b> - System must allow evidence to be deleted or archived automatically on a schedule or manually according to customizable retention period.		
75	<b>Metadata Playback Graph</b> - System must allow a full time lined metadata playback graph that graphically shows the status of all vehicle inputs, including speed, radar and braking information so that crucial times of the event may be easily identified during playback.		
76	<b>Export Playback</b> - When exporting video, the system must automatically include a standalone playback application to be included with the exported video. When used on another computer, the playback application must run solely from the export media (DVD, USB, etc.) and not require any software installation on the local playback computer. Video must also be accompanied by a full audit log showing every time the event was moved, reviewed, or exported with full MD5 hash verification data.		
77	<b>Client Playback Buffering</b> - System must have a built in buffering scheme so that playback from a client begins as soon as the event has downloaded enough of a buffer to begin playback. Systems that require the full event be cached locally before playback initiates will not be considered.		
78	<b>Export Video Anywhere with Permission</b> - System must allow the video to be exported by a user with the appropriate permission from any client computer. Systems that allow exporting video from only a single workstation will not be considered.		
79	<b>Integrated Case Management</b> – Software must have Case Management functionality for the purpose of managing other types of digital media/evidence. Cases must be able to be created as part of a record event from the in-car video system or completely independent of a record event.		
80	<b>Record Event Trimming Feature</b> – Software must support the ability to trim video for the purpose of removing part of the video file by trimming the beginning and/or end portions of the event. The trimmed file must be saved as a new file in order to preserve the original file.		

Item #	Specification	Meets Specification?	
		Yes	No
81	<b>File Conversion Options</b> – Software must support the ability to convert the in-car video native files into the following formats: MP4, MP2, AVI and WMV.		
82	<b>DVD Robot Support</b> – Software must natively support the ability to interface with both a standard DVD Robot and Blu-Ray DVD Robot without the need for additional modules or software.		
83	<b>Built-in Support for Live Video Streaming</b> – The DVR must have built in support for Live Video Streaming without requiring additional or different hardware from the manufacturer.		
84	<b>Video Storage and Sharing</b> – Software must have the ability to be installed on premise and have video stored in the Cloud for sharing video and cases with intended recipients. The agency must be able to control which e-mail addresses and or domains are allowed to be sent links to shares, how long the shares are available for, the type and security of the share and the ability to remove the share at any time. All information stored in the Cloud for sharing purposes must be stored in a government secure data center. Additionally, the audit log for the video should maintain an audit trail for the video when it is exported to the Cloud and when it is viewed or downloaded by the recipient.		
85	<b>Body Worn Camera Integration</b> – Must support full integration with body worn camera video system. Body worn camera must remove the need for a wireless microphone by providing the audio for the in-car system during synchronized playback in-car video recordings. The body worn camera must also provide an additional camera view for the in-car video system and automatically inherit event properties, including: officer name, event category, case number, etc. Body Camera must have capability of attaching a smaller wired camera that can be clipped onto a shirt or worn on eye glasses.		



#### **SECTION 4- PRICING SCHEDULE:**

Provide a pricing for all equipment and services. All prices on equipment must be itemized. The pricing must also reflect the cost of Taxes, Shipping and Handling or any other costs of implementation. Additionally, the Town of Bedford reserves the right to purchase all or some of the proposed solution. The Town of Bedford wishes to ascertain any/all maintenance costs and the length of the warranty on the system. The maintenance cost should include the all-inclusive hourly charge rates (during specified hours), any travel expenses to be reimbursed, the percentage of mark up on any materials.

#### **Other Costs**

Respondent must list any and all charges, expenses, and/or costs to be incurred by the Town of Bedford that are not included in this section. Failure to specifically and thoroughly enumerate such items may be a cause for disqualification.