

## INVITATION TO BID

## 2016-021 Police - Emergency Vehicle Equipment Installation

## I. INTENT

The Town of Hampton, acting through its Town Manager for the Hampton Police Department, in accordance with the provisions of New Hampshire Revised Statutes Annotated Chapter 37, Section 6 and the provisions of the Town of Hampton Purchasing Policy and Purchasing Procedures requests sealed written bids for the purchase and installation of the following: Police - Emergency Vehicle Equipment Installation

## II. INSTRUCTIONS TO BIDDERS

All inquiries regarding the bid document, bid procedure, and any technical aspect may be directed to Lieutenant Daniel Gidley at (603) 929-4444.

All shipping, set up, installation, and delivery costs must be clearly included in pricing. All items proposed shall be new, in first class condition, including containers suitable for shipment and storage. Verbal agreements to the contrary will not be recognized.

All proposals shall include descriptive literature on each item being offered, and shall include the most recent price list for related devices and provide an itemized cost breakdown. Failure to include this information with your proposal may result in the entire proposal being considered unresponsive.

## III. SCOPE OF WORK

To outfit and equip (3) 2017 Ford Interceptor Utility vehicles with equipment and supplies as specified from Addendum 1. These units will be designated 306, 307, and 311.

Completion of the equipment installation and delivery back to the Hampton Police Department shall be within 12 business days of the date the Police Department delivers the vehicles to the Bidder excluding Federal holidays.

## IV. SPECIFICATIONS

All bids submitted shall be in conformance with all sections of this Invitation to Bid, **including Addendum 1**. All requested information must be supplied.

The successful Bidder shall provide all written information on the warranty for the Emergency Equipment and all of the associated components.

The successful Bidder shall provide all information concerning any Safety Bulletin or Recall of any parts or components by the Manufacturer, its Suppliers, or any Government Agency for a period of ten (10) years.

All Emergency Equipment, Components, Wire, and Cable must be installed in accordance with the OEM Installation Instructions and the 2017 Ford Police Package Sedan and Utility Modifier Guide. The equipment, components, wire, and supplies must be of the highest quality to withstand the rigors of intense usage in the field.

Bidders must provide a written response to document and address items 1-8 of this section. The written response must also encompass the specifics identified in the General Requirements

Section, Special Requirements Section, and provide Build Compliance acknowledgement of the General Build Standards Section:

1. A statement identifying your Firm, it's Resources, Facilities, People, Tools, Equipment, and Supporting Supplies that are in place to provide the equipment, components and installation needed for completing the work under this contract. The Bidder shall supply all tools, fasteners, washers and all other materials required to complete all of the installation and any removal work.
2. Include information regarding Project Management and Team Organization by task. The statement of qualifications shall include:
  - A. Bidder's qualifications
  - B. Qualifications of key personnel that will be assigned to this project, by task.
  - C. Indication of the Bidder's current workload and the ability to complete the vehicles
3. Discuss in detail how you will perform the contract within the time constraints specified in this document. Include a project schedule by task and discipline.
4. Discuss your anticipated overall workload during the term of the contract, and how you will fit our requirements and time constraints into your overall work load.
5. Describe how you will maintain or have prompt access to an adequate inventory of equipment and components specified in our build so that our installation will not be delayed by:
  - A. Inadequate inventory
  - B. Equipment or Component failures and defects.
6. Discuss in detail how your firm will provide a secure facility to store our assets during the installation of the emergency equipment. Bidder assumes sole responsibility and all risk for all equipment inventory whether provided by Hampton, NH or a vendor. Bidder shall be solely responsible at its expense, to replace or repair all Hampton, NH vehicles and equipment lost, stolen, or damaged while under its custody and care.
7. Provide the Name, Address and function of any Subcontractor whose services you propose to use.
8. Bidders must have five (5) successful and verifiable experiences in the installation of equipment on Police Vehicles. The proposal shall include at least five (5) References with complete Contact Information for which it has provided similar services.

## V. GENERAL REQUIREMENTS

Vehicles will be delivered by the Hampton Police Department to the successful Bidder within 50 miles of Hampton, NH 03842. Beyond the 50 mile limit, transportation and delivery will be the responsibility of the successful Bidder.

The selected Bidder shall receive the vehicle directly from the Hampton Police Department. The Bidder shall be responsible for the vehicles from the time the vehicles arrive at the designated site until final acceptance is made by the Hampton Police Department

Unless specified otherwise; any parts, components, equipment, controls, material, features, performances, capacities, rating or designs which are standard and/or necessary to form an efficient and complete working unit shall be furnished whether specifically required herein or not. Any item not specified herein but deemed necessary for the application shall be supplied and shall meet Industry Standards and Best Practice.

## VI. SPECIAL REQUIREMENTS

### Bidder certifications and staffing

Bidder may be an authorized Whelen Engineering Inc., Distributor, and authorized Service Center. Provide proof of Manufacturer's Certification, if applicable.

Bidder must have a minimum of 2 certified EVT (L - 1) (Emergency Vehicle Technicians) that have been certified to perform Law Enforcement Vehicle Installations by the Emergency Vehicle Technicians Association ([www.evtcc.org](http://www.evtcc.org)).

The Bidder must have a sufficient number of qualified equipment installers available on site to perform the required installations. It's preferred that Technicians have a minimum of two (2) years experience installing Emergency Vehicle Equipment, to include and not be limited to Emergency Lighting and Warning equipment, Mobile Computer Terminal Equipment and other Vehicle Accessories. Discuss your Staffing Experience Levels that address our preference to have a Technician with two years on the job installing equipment in our cars.

### Inspection of installation facilities

Bidder must have installation and storage facilities available for inspection by the Hampton Police Department at any time during the period their vehicles and equipment are present at the Bidder's site. Inspections may be made with little or no notice to the Bidder.

### Installation Documentation

The successful bidder will utilize forms and provide other documents, acceptable to the Hampton Police Department that identifies all components and equipment installed into each vehicle. Documents will include all identification markings, schematic diagrams, and component placement diagrams.

### Process Controls

Bidder shall use a quality control, check-off or build report acceptable to the Hampton Police Department to document installation of the specified equipment. The sheet will provide the ability to verify completion of work, the Technician performing work, what that person did, and verification of functionality.

In turn each vehicle will be thoroughly inspected by the Bidder prior to delivery to the Hampton Police Department. Each product specified shall be completely assembled, mounted, serviced, and ready for use when delivered to the Hampton Police Department.

### Acceptance Testing

Hampton, NH Police will perform a preliminary inspection of the work upon its completion, and a final inspection will be performed at the Hampton Police Department. This acceptance test shall ensure that the installation was properly completed and that all the installed equipment functions as designed and intended by the Manufacturer's specifications, and the specifications set forth in this document and Addendum 1. Successful completion of an acceptance test shall not affect Manufacturer or Bidder's Warranty obligations.

### General build standards

The harness and power distribution system shall be designed to operate on 12 volts D.C. nominal on negative ground vehicle electrical systems. All wiring should be high quality TXL grade wiring

rated for 125 degrees Celsius this matches S.A.E (Society of Automotive Engineers) J1128 standard.

All wiring should be continuous from end to end with no splices inside the braiding, with the exception of where a branch in the circuit is required. If there is a branch made it must be made using soldier type heat shrink connectors to insure durability. All harnesses should be identical in layout and construction. All harnesses and fuse panels should be tested prior to delivery for correct operation and durability.

#### Federal Safety Standards

Emergency Equipment Installation must comply with Federal MV Safety Standards FMVSS:

- 101 - Controls & Identification
- 107 - Reflective Surfaces
- 111 - Driver's Rearward Vision
- 125 - Hazard Warning Devices
- 201 - Occupant protection (Air bags, sharp edges, soft surfaces etc.)
- 207 - Anchorages of Seats
- 209 - Rear Shoulder Harness
- 210 - Seat Belt Anchorages
- 302 - Flammability of Material

#### Power Source

A heavy-duty power source must be installed from the factory provided power stud. This power source must be eight (8) gauge red wire protected by a heavy-duty self-resetting circuit breaker. This power source is to operate any Emergency Lighting and auxiliary equipment which is to be installed on the vehicle. The wire is to be labeled "power".

#### Ground Source

A heavy-duty ground source is to be installed from the vehicle battery take off. This ground source must be eight (8) gauge black wire. This ground source is to be used to ground all Emergency Equipment in the vehicle. The wire is to be labeled "ground". All ground wires will be connected to factory provided grounding studs unless so noted.

#### Circuit Protection

The power source is to be divided to operate any Emergency Equipment that is installed in the vehicle. Each of these items is to be fused individually and or be on an adequately sized circuit breaker.

#### "Key -off" Electrical Load Limit

- Key off, maximum parasitic current load not to exceed 75 mA.
- If you can't meet this key-off limit, after all equipment is installed, quote an isolator equipped auxiliary battery. (NO EXCEPTIONS)

#### Wiring Requirements

Bidder will install continuous wire runs. All connectors shall be crimped and heat-sealed in order to prevent water penetration and provide for electrical insulation. All wires and cabling shall be

permanently labeled to identify function. All fuses and fuse blocks shall be permanently labeled. Such labeling shall include the fuse size in amperage and the fuse function.

Encasing & Routing of Wires

All wiring shall be encased in high temperature split wire loom, with all connectors crimped, with dual wall heat shrink applied, and routed away from heat and sharp objects. No wires are to be exposed. All high temperature split wire loom cable runs that are routed through a bulkhead or other panel shall be protected at the point of penetration by a properly sized protective grommet.

Protective Coating of Terminals

All terminals and connections must be sprayed with a heavy-duty automotive terminal coating or coated with a silicone based dielectric grease to prevent corrosion and rusting.

Wire Specifications

All wiring other than communication cables and those items specifically identified in this document should be Anixter TXL automotive wiring. 8/2 – 14/2 – 16/2 – 18/4 – 30 FT long cable made from printed GPT wire and covered with conducted loom. See the table below for Wire inners:

<u>AWG</u>		<u>PRINT</u>
8ga	Red	Power
8ga	Black	Ground
14ga	Red	Hide away LED
14ga	Red	F.B. Power
16ga	Brown	Flash Back
16ga	Brown/Wh	Aux. 1
18ga	Blue	Mirror LED
18ga	Green	Rear LED
18ga	Orange	Grille lights
18ga	Yellow	Deck LTS

**VII. USE OF SUBCONTRACTORS**

The use of subcontractors will be allowed for this project, and subcontractors are subject to the same requirements as the selected Bidder.

With each bill to the Town, the selected bidder shall provide evidence that the costs and expenses due to their subcontractors for any work hereunder have been paid in full before final payment is made by the Town of Hampton. Such evidence shall be accompanied by a written statement by the subcontractor on his letterhead certifying that payment has been made.

**VIII. LIQUIDATED DAMAGES**

The contract as awarded will contain a liquidated damages clause to the effect that a one-hundred (\$100.00) dollar per day penalty will be assed for each day after the 12 day delivery window excluding Federal Holidays that this work is not complete. Such late penalty shall be deducted from the payment for the work by way of liquidated damages.

## IX. CORRECTION OF DEFECTIVE WORK

The Town of Hampton shall require the correction of defective work. In the event the work performance of the selected contractor is unsatisfactory, the selected contractor will be notified by the Chief of Police or his designee and be given five (5) working days to correct work, and unreasonable delay in the performing of corrections may be grounds for termination of the selected contractor. Upon failure of the selected contractor to correct work, the Town of Hampton shall withhold any amount necessary for the correction of work from payments due, in order to correct the deficiencies.

There will be no cost to the Town for any re-works/corrections.

## X. WARRANTY LAW

All Federal and State Warranty Laws apply to the materials and installation.

## XI. CHANGE ORDERS

The selected contractor shall not proceed with work and materials that are not included in the bid proposal and contract requirements and specifications without written prior approval of a change order by the Chief of Police or his designee.

## XII. CONTRACT AGREEMENT

The successful contractor selected through the award process will be required to enter into a contract agreement with the Town of Hampton and to execute the contract agreement within two weeks of the date of award, unless prior arrangements are made with the Chief of Police or his designee. This document 2016-021 Police - Emergency Vehicle Equipment Installation, Bid Proposal Form and any associated documents shall become part of the contract.

The selected contractor and/or its personnel shall not represent themselves as employees or agents of the Town of Hampton.

The purpose of this contract is to obtain and install Police Emergency Vehicle Equipment that will be used 24 hours a day, 7 days a week, and 365 days a year in a Police Fleet Service Environment with the Hampton, NH Police Department.

## XIII. INSURANCE REQUIREMENTS

The insurance required for the award of the contract shall provide for adequate protection of the selected contractor against damage claims, which may arise from work under the awarded contract, whether such work be by the insured or by anyone employed by him, and also against any of the hazards which may be encountered in the performance of the work.

The following coverages are required in order to be awarded the contract:

### 1. General Coverage

To be eligible to be awarded the contract to perform the work required, the selected contractor shall submit to the Town a current certificate of insurance for General Liability; Automobile Liability; Excess Liability; Property Liability (All risk including Theft & Fire) from a company licensed to issue such insurance in the State of New Hampshire in the following amounts,

which shall be maintained during the life of the contract (excess or umbrella coverage may satisfy requirements).

Each Occurrence	\$2,000,000.00
General Aggregate	\$2,000,000.00

## 2. Workers' Compensation

To be eligible to be awarded the contract to perform the work required, the selected contractor must submit to the Town a current certification of Workers' Compensation Insurance in accordance with the provisions of New Hampshire law from a company licensed to issue such insurance in the State of New Hampshire in the following amounts, which shall be maintained during the life of the contract (excess or umbrella coverage may satisfy requirements).

Coverage A	Statutory
Coverage B	\$2,000,000.00

## 3. Cancellation of Insurance

The cancellation of any insurance held by the selected contractor will automatically cancel any contract. Each insurance policy shall contain a provision that the certificates of insurance shall not be altered or cancelled except with 10-days written notice to the Town of Hampton.

The Town of Hampton shall be named as an additional insured on the insurance certificates.

## XIV. PAYMENT

Payment will be made within 30-days of receipt of the submission of a completed invoice for the services billed in writing, with approval signoff of the Chief of Police or his designee. Payment of each invoice shall automatically release any lien that the invoice may have provided against the Town.

Payment will be made only for actual work performed and accepted in accordance with the contract. Any scheduled item of work to be done and materials to be furnished may be increased, decreased, or omitted by the Chief of Police or his designee, and no claim for loss, anticipated profits, or costs incurred in anticipation of work not ultimately performed will be allowed due to such increase or decrease.

Invoicing Instructions. All invoices shall include the following information:

- (a) Company Name
- (b) Location of work
- (c) Date work was completed
- (d) Brief description of services rendered
- (e) Contract number
- (f) Hourly rate charged
- (g) Rates for materials

## XV. NON-ASSIGNMENT

Neither the selected contractor nor the Town shall assign, transfer, convey, or otherwise hypothecate the contract or their rights, duties, or obligations hereunder, or any part thereof without the prior written consent of the other, which consent shall not be unreasonably withheld.

## XVI. INDEMNIFICATION

In accepting the awarded contract, the selected contractor agrees to hold harmless and indemnify the Town of Hampton and its officers, agents, and employees from any liability and any all claims, suits, damages, and attorney's fees and costs, arising from the work to be performed or the services to be provided.

## XVII. LAWS, PERMITS, AND LICENSING

It shall be the successful bidder's responsibility, and anyone employed by the selected contractor to adhere to and comply with all federal, state, and local laws, regulations, and codes, as well as with all standards and practices relating to the work being performed or the services provided. In addition, it is the successful bidder's responsibility, and anyone employed by the selected contractor to procure and keep in effect any and all licenses, permits, notifications or other regulatory requirements relating to the work to be performed or the services to be provided.

## XVIII. TERMINATION

The Town of Hampton acting through the Town Manager retains the right to terminate and dismiss the selected contractor for non-performance, or poor performance with five (5) working days' notice. Additionally, the Town of Hampton acting through the Town Manager reserves the right to negotiate a contract agreement with the next qualified contractor for completion of the work.

## XIX. SUBMITTAL REQUIREMENTS

All prospective contractors are expected to carefully examine the Invitation to Bid and all its sections, and any attachments, and any addenda distributed before submitting a bid proposal. Failure to do so will not relieve the successful contractor of the obligation to furnish all equipment and labor necessary to carry out the provisions of the Invitation to Bid.

The submission of a bid proposal shall be considered prima facie evidence that the contractor has made such examination and has taken into account the Town's intent. . Failure to comply will be reflected in the evaluation of the bid, and may result in disqualifications of the bidder.

All costs related to the bid proposal preparation and/or submission will be borne by the contractor in responding to this Invitation to Bid or in responding to any request for interviews, additional information, etc. prior to the issuance of a contract.

Any Bid proposal which is incomplete, conditional, or obscure, or which contain erasures, alterations or other irregularities of any kind, or in which errors occur or contain abnormally high or low costs, may be rejected.

The completed Bid Proposal Form must contain the full name of the company and the address. Failure to manually sign the Bid Proposal Form will disqualify the submitting bidder. The person signing the Bid Proposal Form shall show title or authority to bind the Company in a contract agreement.

The cost shall be stated in both words and figures on the Bid Proposal Form. All words and figures shall be written in ink. In case of a discrepancy between the figures and the words, the written words shall govern.

All submitted Bid proposals shall be sealed and shall contain one (1) original and two (2) copies of the completed Bid proposal package. This includes this entire document, including the Bid Proposal Form, all attachments, and any addenda distributed.

All bidders are required to provide the following information with their submissions, and in the order that follows:

1. Original and two (2) copies of the Invitation to Bid
2. Bid Proposal Form and all addendums, attachments
3. Summary of Qualifications
4. A list of current clients; a minimum of five (5)
5. A list of five (5) references for which comparable services have been performed. This list shall include company name, person to contact, address, and telephone number. Failure to include references will be ample cause for rejection of proposal as non-responsive. Preferred references include other local government agencies.

## XX. RETURN OF SEALED BID PROPOSALS

Sealed Bid Proposals will be received until 3pm EST on November 22, 2016 at the Town Manager's Office, 100 Winnacunnet Road, Hampton, NH 03842. Sealed bid proposal envelopes must be clearly marked "2016-021 Police - Emergency Vehicle Equipment Installation."

No faxed or emailed Bid proposal or faxed or emailed withdrawals of the Bid proposal will be permitted. If a withdrawal is made in either fashion, it will be destroyed upon receipt.

A prospective bidder may withdraw its Bid proposal, upon request to the Town Manager before the time of opening; the Bid proposal will be returned unread. At the Town's discretion, late Bid proposals may be returned to bidder unopened.

1. Correction or Withdrawal of Bid Proposal and Cancellation of Awards under Competitive Sealed Bid.

Correction or withdrawal of inadvertently erroneous Bid proposals before or after award, or cancellation of awards or contracts based on such Bid proposal mistakes, shall be permitted at the Town Manager's sole discretion. However, no changes in the proposed cost(s) or other provisions of the Bid proposal prejudicial to the interest of the Town or fair competition shall be permitted. Except as otherwise provided by regulation, all decisions to permit the correction or withdrawal of a Bid proposal, or to cancel awards or contracts based on errors or omissions, shall be supported by a written determination made by the Town Manager or his/her representative. No Bid proposal may be withdrawn when the result would be to award the contract to another Bid proposal of the same Successful bidder(s) or of another Successful bidder(s) in which the ownership of the withdrawing Successful bidder(s) is more than five percent. If the Town Manager or his designee denies the withdrawal of a Bid proposal, he shall notify the bidder in writing stating the reasons for his decision.

## XXI. DISQUALIFICATION

A bidder may be disqualified and their Bid proposal rejected for either of the following reasons:  
1) failure to supply complete information as requested by this Invitation to Bid or 2) evidence of

collusion among other bidders. Any Bid proposal(s) so rejected for reason #2 will disqualify the bidder(s) involved from consideration in future dealings with the Town.

## XXII. PURCHASING POLICY APPLIES

The Town of Hampton's Purchasing Policy and Purchasing Procedures in Chapter 718 of the Hampton Code applies to any Bid proposals received hereunder.

## XXIII. AWARD

The award will only be made after evaluation of all Bid proposals submitted. The award is expected to be made within (10) ten working days of the Bid opening. The award of this bid shall in no way guarantee any amount of work to the successful bidder.

The award will be made to the most responsive and responsible Bid proposal that meets the specifications contained herein on a total cost basis, with terms viewed as most favorable to the Town of Hampton, and the satisfactory negotiation of a final contract.

The lowest cost proposal may not necessarily be selected, as the Town will also weigh the factors set forth in Section 718-4 to reach a final determination. Lack of experience of prospective bidders may be grounds for their disqualification in the award process.

The Town acting through the Town Manager reserves the right to reject any, or all Bid proposals, to waive any informality of the Bid proposals received, to omit any item or items and/or to accept any Bid proposal as he may deem to be in the best interest of the Town. The decisions of the Town Manager shall be final.

## XXIV. NO RESPONSE REQUEST

It is requested of all prospective bidders that if they will not be submitting a Bid proposal to submit a letter of no response to the Town of Hampton.

## XXV. POSTING OF BIDS

This Invitation to Bid and any attachments, and any addenda distributed are posted on the Town's website at <http://hamptonnh.gov/wp-content/uploads/Townmanager/Forms/RFP>

All prospective bidder(s) seeking to submit a Bid proposal are requested to inform the Town of Hampton by email at [inquiries@town.hampton.nh.us](mailto:inquiries@town.hampton.nh.us) that they have obtained the Invitation to Bid from the Town's Website. Please provide your name, address, phone number, and email address. This will enable the Town of Hampton to forward any addenda distributed and/or additional information that may be required for compliance with the Invitation to Bid document.

## XXVI. GOVERNING LAW AND VENUE

This Invitation to Bid, the Bid proposal form, and the contract agreement to be entered into shall be governed by the statutory and common laws of the State of New Hampshire and venue shall lie in the State Courts of the State of New Hampshire as to any dispute.

**BID PROPOSAL FORM**

**TOWN OF HAMPTON**

**PLEASE DETACH AND SUBMIT WITH PROPOSAL**

**2016-021 Police - Emergency Vehicle Equipment Installation**

The Bidder shall specify here in figures and words in United States Dollars and Cents the costs of the purchase and installation of Police - Emergency Vehicle Equipment.

In the case of a discrepancy between the figure amounts and the words, the written words shall govern. All costs shall include all equipment, materials, labor, labor cost, machinery, and tools incidental to the performance of the work.

Three (3) Emergency Vehicle Equipment Installation Cost: \$ \_\_\_\_\_  
(figures)

\$ \_\_\_\_\_ dollars  
(words)

The undersigned is submitting this Bid Proposal without collusion with any other individual or corporation.

Submitted for (Company Name):

Submitted By:

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

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

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

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

\_\_\_\_\_

Phone: \_\_\_\_\_

City, State, and Zip Code \_\_\_\_\_

Business Telephone \_\_\_\_\_

Business Fax Telephone Number \_\_\_\_\_

E-Mail Address \_\_\_\_\_

Website Address \_\_\_\_\_

Signature of Authorized Person \_\_\_\_\_

Date \_\_\_\_\_

By signing above you are attesting that you are duly authorized by law to commit the individual, association, partnership, company, or corporation to the terms of this bid. Once submitted, all bids shall be held firm and not withdrawn for 90 days from bid opening.

# **2016-021 - Police - Emergency Vehicle Equipment Installation Addendum 1**

## **GENERAL**

This addendum covers (3) 2017 Ford Interceptor Utility Vehicles. The cars are to be identified as Unit 306, 307, 311.

### **Unit 306 – Front Line Patrol Vehicle**

Transfer from the existing car into the new 2017 car

Console Keyboard mount

Havis Dash monitor mount base

Havis Docking Station, power supply and charge guard

Rifle and Shotgun Mounts

Front and Rear Prisoner Partitions

Rear Door Window Bars (Portland Bars)

Prisoner Seat

Overhead Light bar, CenCom Controller, Switch (Rehab as necessary)

Front Push Bar & Siren Speaker (Rehab as necessary)

Install new equipment as specified in the other sections of this addendum

Radar, cables, antennas, and speedometer sensor (provided by HPD)

Console and components to integrate with transferred equipment

Install empty APX-6500 05 Control Head Faceplate on console

Remove from the existing car and return to Hampton PD

Data Modem mounted on the rear prisoner partition

GPS Data Antenna mounted on the rear passenger window sill

Leave in place existing car, remount, or relocate as necessary

Console, armrest, etc. – Install blank plates where necessary

Radio, Control Head and Microphone, Power and Control cabling

Flashlight and charger

### **Unit 307 – Front Line Patrol Vehicle**

Transfer from the existing car into the new 2017 car

Radar, cables, antennas, and speedometer sensor

Install new equipment as specified in the other sections of this addendum

Install empty APX-6500 05 Control Head Faceplate on console

### **Unit 311 – Front Line Patrol Vehicle**

Transfer from the existing car into the new 2017 car

Radar, cables, antennas, and speedometer sensor

Install new equipment as specified in the other sections of this addendum

Install empty APX-6500 05 Control Head Faceplate on console

# 2016-021 - Police - Emergency Vehicle Equipment Installation Addendum 1

## EMERGENCY WARNING EQUIPMENT AND COMPONENT LISTING

The following new equipment will be installed in the (2) 2017 Ford Interceptor Utility Vehicles designated as 307 and 311.

Alternates or substitutions will be subject to **Prior Approval** by Hampton Police

### Whelen Liberty II Solo WeCan Lightbar

- (1) We-Can LibertyII 14 LED LTBR W/TD&AL model (1) LF SW8BBB,
- (4) SLDBB, (1) SXTLS1, (1) SPALF1, (1) MKEX83, (1) PE215, (2) 500LTUBE
- (1) Upgrade Liberty Lightbar w/Pre-Emption

### Wig Wags, Corner Lighting, and Side Lighting

- (2) FL ETHP55-SP – SoundOff Solid State Headlight Flasher
- (2) GLL VTX609B - Vertex Hide-A-LED Blue to Front
- (2) GLL VTX609B - Vertex Hide-A-LED Blue in Reverse
- (2) GLL VTX609R - Vertex Hide-A-LED Red in Taillights
- (1) Set of Whelen Tracer or Soundoff N-Line 60” Rocker Lights with Blue & White options for cruise and flash.

### Whelen Light & Siren Control, Speaker and Mount

- (1) SR CCSRN3 - Cencom Sapphire Siren/Light Control System
- (1) SR ES100 - Dynamax 100W Speaker
- (1) MT ESB-U - ES100 Universal Bracket

### Exterior

- (1) EP PB400 2017 Ford Explorer Utility Interceptor Push Bumper
- (1) AC 94293 - 2017 Ford Explorer Vent Shades

### Cargo Area Lighting

- (4) GLL PSCOCDCR – Super LED Level 3 Comp Light
- (1) SW 060-768 – Round Rocker Switch, AMB LED for Cargo Lights

### Anti-theft Device

- (1) TM- A1- Interceptor - 2017 Ford Interceptor Utility Tremco

### Prisoner Partitions, Seat & Window Bars

- (1) PT 10V – SUV/VAN Horz. Non-Sliding Partition
- (1) PT RP – Recessed Storage Panel
- (1) PT-RP2 – 2-PC Lower Ext. Panel
- (1) PT S4705UNIT13 – 2017 Intr. Utility Tran Seat Pkg. Wire
- (1) PT SMWB-FIU – 2017 Utility Metal Window Barrier

### Gun Rack

- (1) MT SDVWML – Double Vertical Gun Rack w/Locks

### Power Control

- (1) SW 05.0700.075 – 75A, 12V, Relay SPST
- (1) SW 131-0010 – 100A Manual Reset Circuit Breaker
- (1) SW CG-X – Charge Guard Timer

### Flashlight

- (1) Streamlight Stinger DS LED HL flashlight

# 2016-021 - Police - Emergency Vehicle Equipment Installation Addendum 1

## CONSOLE COMPONENT EQUIPMENT LISTING

The Contractor will provide, install, and adjust the following Havis Console Mounting Components to support the Communications and Emergency Warning Equipment as indicated in this addendum. The following new Havis Equipment is specified for the installation in Unit 307 and 311.

C-DMM-123 - Dash Monitor Mount Base Ford Interceptor Utility  
DS-PAN-702-2 - Toughbook Certified Docking Station w power supply  
C-VS-1308-INUT - Ford Standard Interior Console 21" Vehicle Specific  
C-SM-SA-1 - Keyboard Base Mounting Bracket Complete w/Swing Arm  
C-MD-202 - Tilt Swivel Motion Device Keyboard Base Mount  
C-KBM-108 - Keyboard Mounting Plate for IKey rugged keyboard  
Console Spacer Plate – Sized as necessary to move equip out from under keyboard  
Console Radio Control Head Plate – Motorola XPS6500 05 Head  
Console Siren & Light Control Head Plate - Whelen Cencom Sapphire  
C-CUP2-I - 4" Dual Console Mount Cup Holder  
C-ARM-103 - Flip Up Console Mount Arm Rest  
C-LP-3 - 3 Lighter Plug Outlet  
Charge Guard - Docking Station Power Support

## CONSOLE LAYOUT

As viewed from Drivers seat looking down at the console from front to rear

1. Tablet & Keyboard
2. Motorola Radio Control Head
3. Whelen Siren/Light Controller
4. 2 Cup Holder
5. 3 Port Power Connector 12v
6. Arm Rest



**Figure 1 - Console Overview**

# 2016-021 - Police - Emergency Vehicle Equipment Installation Addendum 1

## SIREN and LIGHT CONTROL SYSTEM

The Siren and Light control system will be a Whelen Cencom Sapphire. The unit will be installed in accordance with the OEM Manufacturers Specifications. All units will be programmed to operate in the same manner per our Control Button Layout below.

Bottom right button linked to momentary switch for Gun Rack lock. Button to be unlabeled.

**Figure 2 – Light Control Button Layout**



**Whelen Light Bar Control Layout**

STAND BY	RAD	HANDS FREE	WAIL	YELP	T3	MAN	AIR HORN
			ARROW DIR	REAR LT BAR	TAKE DOWN	LEFT ALLEY	RIGHT ALLEY
			REAR LED	FRONT LED	CRUISE	HI/LO	

## VOICE COMMUNICATIONS

Voice Communications - Radio, Control Head, Microphone, Antenna and programming will be installed by others after the completion of this project.

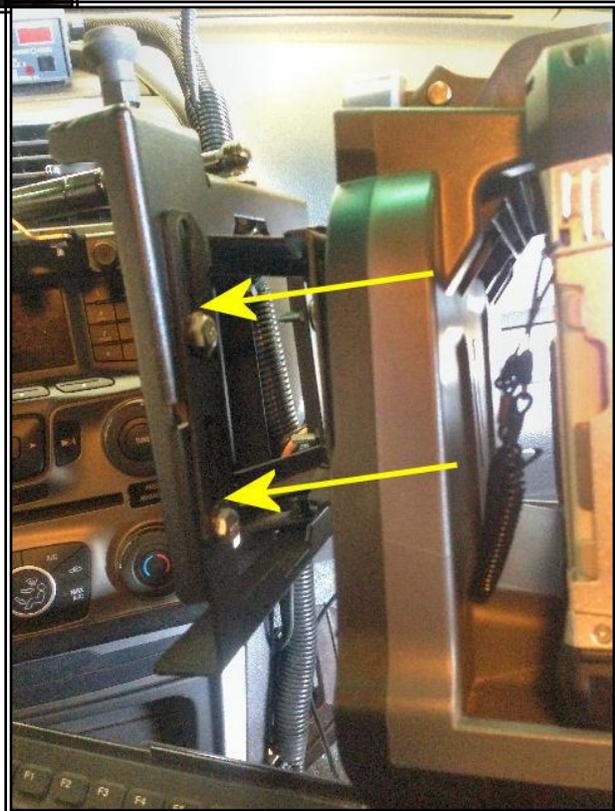
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## DOCKING STATION MOUNTING

The swing out Dash Monitor Mount and Docking Station will be mounted in accordance with the OEM Manufacturers Specifications. Additionally the Docking Station should be mounted in such a fashion that allows maximum space for the keyboard to tilt, swivel, and adjust for the user beneath the Docking Station.



**Figure 3 – Docking Station Mounting**



**Figure 4 – Docking Station Mounting Height Maximized**

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## DOCKING STATION MOUNTING – Continued –

The Docking Station will also be offset to provide better screen view for the user by adding two extended length bolts as illustrated below in figure 5.

**Figure 5 – Docking Station  
Extended Length bolts**



## VERTICAL MOUNT - DUAL WEAPONS RACK

The weapons rack will be mounted against the prisoner screen as indicated in figure 6. The rack will be configured to support an AR-15/M-4 rifle with a collapsing stock and a Remington 870 shotgun. Gun Lock controlled by Lighting Control System. The flashlight will be mounted with the weapons rack as illustrated in figure 6.



**Figure 6 – Dual Vertical Weapon Rack Location**

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## RADAR UNIT

Radar unit, Antennas and Speed Sensors will be transferred from the old cars.

Radar Display will be mounted on the center dash angled for a drivers view.

Rear Radar Cone mounted at the ceiling line of rear hatch. See Figure 7 for illustration.

Front Radar Cone mounted adjacent to the "A Pillar". See Figure 8 for illustration.

**Figure 7 – Rear Radar Location**



**Figure 8 – Front Radar Antenna Location**

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## GRAPHICS LOCATION



**Figure 9 – Graphics Front View**



**Figure 10 – Graphics Driver Side View**

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## GRAPHICS – Continued –



**Figure 11 – Graphics Passenger Side View**



**Figure 12 – Graphics Rear View**