



**ESSEX COUNTY**  
**OFFICE OF THE MANAGER**

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Michael Mascarenas  
County Manager

Linda M. Wolf  
Purchasing Agent

**TO:** All Bidders  
**FROM:** Linda Wolf, CPA, Purchasing Agent  
**DATE:** January 24, 2025  
**SUBJECT:** Addendum #1 Bid #25-325A for Sheriff Patrol Vehicle Upfitting

**This Addendum, issued to bid document holders of record, indicates changes to the bid documents for the *Bid for Sheriff Patrol Vehicle Upfitting* opening February 3, 2025.**

**Please replace the Scope of Work in the original bid with the attached amended Scope of Work to include Two (2) Marked Patrol Vehicles and one (1) Unmarked Patrol Vehicle.**

END OF ADDENDUM # 1

## **C. Scope of Work to be performed**

### **EMERGENCY LIGHTING SPECIFICATIONS**

#### **Essex County Sheriff**

### **2025 Dodge Durango Patrol Vehicle Upfit Specifications For Two Patrol Vehicles**

#### **Emergency Lighting Specifications**

- 3-Year Parts and Labor Warranty Minimum
- Full and Complete Printed Wiring Diagram of ALL Emergency Wiring Circuits to be Delivered with Each Vehicle. Diagrams to Show All Circuits Pertaining to the Entire Upfit, Running to and From All Equipment. (Delivery will not be accepted without it).
- Vehicles will be inspected for rusted debris and metal filings on painted surfaces. If present delivery will be refused.
- Uniform wiring of ALL vehicles with ALL circuits (No variations from vehicle to vehicle of colors, size, or location of the same circuit).
- All wire connections outside of cabin to be weather-proof sealed connectors and/or adhesive lined shrink terminals with environmental protective spray applied.
- All crimp connections to be “Perma-Seal” brand products or equal product throughout the entire vehicle with all connections tested for proper crimp and completely shrunk.
- Brass fuse taps are strictly prohibited from use.
- All wired circuits to be descending in wire size from supply to load (no smaller wires feeding larger wired circuits).
- All grounds to be located inside the vehicle cabin for emergency lighting.
- There is to be only 1 conductor per ring terminal and all connected terminals must be individually fused.
- All non-factory hardware to be Stainless Steel
- No powered amplifier units of any kind to be located beneath vehicle flooring.
- All amplifiers, fuse blocks, siren controllers, and any other power device shall be located on electronics wall.
- All points in which wires pass through steel metal holes are to be de-burred and fitted with a dedicated rubber grommet to prevent chaffing. Remaining gaps to be sealed.
- Throughout the entire vehicle abrasion resistant wire loom is to be used in all places where wire chaffing is possible. All emergency wiring outside the cabin is to be protected by abrasion resistant wire loom.

### **2025 Dodge Durango Patrol Vehicle Upfit** **Equipment and Installation**

#### **Equipment To Be Sourced and Installed by Upfitter:**

##### **Light Bar**

EB8DDDD Whelen Legacy, 48” WCX DUO Light Bar with Amber Traffic Advisor  
DUO light-heads, red/white modules front and sides  
capable of illuminating White on both sides and front.

Rear modules will be either red/amber or blue/amber, warning or traffic advisor (arrow stick) mode.

MKAJ85 Whelen Light Bar Mounting Kit, Dodge Durango

### **Siren & Light Controller with Speaker**

C399 Whelen Core Siren / Light Controller  
CCTL6 Whelen Core Control Head  
C399K3 Whelen CANport Installation Kit for Dodge  
SA315U Whelen Siren Speaker, 100 Watt  
SAK54 Whelen Siren Speaker Bracket, Dodge Durango

### **Push Bumper**

BK1353DUR21 Setina Push Bumper with 4 Whelen ION Lights

### **Headlight & Taillight Flashers**

Activate OEM Headlight Flasher Option

### **Rear Window Lights**

I2J (1) Whelen ION DUO Light, Red/Blue  
I2K (1) Whelen ION DUO Light, Red/Amber

### **Console**

C-VS-1900-DUR-PM Havis Vehicle Specific Console with Internal Printer Mount  
C-EB40-CCS-1P Equipment Bracket for Carbide Head  
C-EB25-XTL-1P Equipment Bracket for Motorola Control Head  
C-LP2-USB-BL2 2 12v Outlets, Dual USB-A & USB-C Port & 2 Blank Switch Cutouts  
C-AP-0325-1 3" Wide 2.5" Deep Accessory Pocket  
CUP2-1001 Havis Cup Holder  
C-MCB (x2) Havis Microphone Clip Bracket  
MMSU-1 (x2) Mag Mic Clips  
C-ARM-102 Havis Arm Rest

### **Computer Mount and Accessories**

ST4200USBM Suitable USB 3.2 Gen 2 Type-A (4) Port Hub compatible with the Getac F110 tablet to accommodate LTron Scanner, Pocketjet 7 Printer and other USB accessories  
6001197 Sierra Wireless 6in1 SharkFin Antenna - 2xLTE, GNSS, 3xWi-Fi, 2.4/5GHz, Bolt Mount, 4m, Black

### **Prisoner Compartment**

PK1130DUR11 Setina Front Partition, 10XL Coated Polycarbonate  
PK0316DUR112ND Setina Cargo Area Rear Partition, Coated Polycarbonate Window

### **Rear Storage**

TK0241DUR11 Setina Cargo Box  
TPA9289 Setina Cargo Radio Tray

### **Power Management**

PDU8S D&R Power Distribution Block  
090-0120-0 Kussmaul Waterproof Circuit Breaker, 120 Amp

BC-M112	AFS Battery Cable Harness
PWR-HARN	Power Harness Package, Consisting of 4 Harnesses
00-2001	Timed Power Harness 120” Braid, 6 Timed Circuits w/ Grounds
00-2002	Battery Power Harness 120” Braid, 5 Hot Battery Circuits w/ Grounds
00-2003	Timed & Ignition Power Harness, 4 Times, 2 Ignition Circuits W/ Ground
SO-417-WC	Whelen Core Main Lighting Control Harness
83-0115	Heat Shrink Lightbar Cable Gasket

### **Vehicle Graphics Package and Tint**

3M Vinyl Graphics Package to match existing fleet  
Tint both front side windows to match back windows.

### **Installation of Customer Equipment at Time of Upfit**

- Motorola APX6500 or APX8500 VHF High Power Mobile Radio (base and remote head) and Antenna
- Axon Signal Vehicle to be activated when light bar is activated
- Havis Docking Station for Getac F110 Tablet with Getac DC Power Supply
- Brother Pocketjet 7 Printer with Power and Control Cables
- LTron Scanner
- Sierra Wireless XR80 Modem with part number 6001197 6in1 SharkFin Antenna - 2xLTE, GNSS, 3xWi-Fi, 2.4/5GHz, Bolt Mount, 4m, Black - Stalker
- Radar Dual DSR Dash-Mount with front and rear antennas

## **2025 Dodge Durango Patrol Vehicle Upfit Specifications For One Unmarked Vehicle**

### **Emergency Lighting Specifications**

- 3-Year Parts and Labor Warranty Minimum
- Full and Complete Printed Wiring Diagram of ALL Emergency Wiring Circuits to be Delivered with Each Vehicle. Diagrams to Show All Circuits Pertaining to the Entire Upfit, Running to and From All Equipment. (Delivery will not be accepted without it).
- Vehicles will be inspected for rusted debris and metal filings on painted surfaces. If present delivery will be refused.
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- Throughout the entire vehicle abrasion resistant wire loom is to be used in all places where wire chaffing is possible. All emergency wiring outside the cabin is to be protected by abrasion resistant wire loom.

## 2025 Dodge Durango Unmarked Patrol Vehicle Upfit Equipment and Installation

### Equipment To Be Sourced and Installed by Upfitter:

#### **Inner Edge Light Bars – Front Windshield & Rear Hatch**

ISFW448	Dodge Durango, 2018-2024, Eight Lamps, Upper Front Two Piece Unit, Individual Driver and Passenger Side Units, Duo Red/White with Two LED Flashing/Take-Down (Ten Lights Total)
IS448	Dodge Durango, 2016-2024, Upper Rear Housing for Eight or Ten Modules, Trio Red/Amber/Blue, Traffic Advisor

#### **Siren & Light Controller with Speaker**

C399	Whelen Core Siren / Light Controller
CCTL6	Whelen Core Control Head
C399K3	Whelen CANport Installation Kit for Dodge
SA315U	Whelen Siren Speaker, 100 Watt
SAK54	Whelen Siren Speaker Bracket, Dodge Durango

#### **Headlight & Taillight Flashers**

Activate OEM Headlight Flasher Option

#### **Grille Lights – Recessed**

I2D	Whelen ION DUO Light, Red/White (2)
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#### **Side Window Lights – Rear Doors and Rear Fixed Windows**

I2D	Whelen ION DUO Light, Red/White (4)
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#### **Rear Window Lights – Hatch Window**

I2J	Whelen ION DUO Light, Red/Blue (1)
I2K	Whelen ION DUO Light, Red/Amber (1)

#### **Console**

CONSOLE	Havis Vehicle Specific Console (PROVIDED BY CUSTOMER FROM SPARES)
C-EB40-CCS-1P	Equipment Bracket for Carbide Head
C-EB25-XTL-1P	Equipment Bracket for Motorola Control Head
C-LP2-USB-BL2	2 12v Outlets, Dual USB-A & USB-C Port & 2 Blank Switch Cutouts
C-AP-0325-1	3” Wide 2.5” Deep Accessory Pocket
CUP2-1001	Havis Cup Holder
C-MCB (x2)	Havis Microphone Clip Bracket
MMSU-1 (x2)	Mag Mic Clips
C-ARM-102	Havis Arm Rest

#### **Power Management**

PDU8S  
090-0120-0  
BC-M112  
PWR-HARN

D&R Power Distribution Block  
Kussmaul Waterproof Circuit Breaker, 120 Amp  
AFS Battery Cable Harness  
Power Harness Package, Consisting of 4 Harnesses

1. 00-2001 Timed Power Harness 120" Braid, 6 Timed Circuits w/ Grounds
2. 00-2002 Battery Power Harness 120" Braid, 5 Hot Battery Circuits w/ Grounds
3. 00-2003 Timed & Ignition Power Harness, 4 Times, 2 Ignition Circuits W/ Ground
4. SO-417-WC Whelen Core Main Lighting Control Harness

### **Window Tint**

Tint both front side windows to match back windows.

### **Installation of Customer Equipment at Time of Upfit**

Motorola APX6500 or APX8500 VHF High Power Mobile Radio (base and remote head) and Antenna.