Specification Sheet – Statement of Work
BLM LE Vehicle Up-Fitting
WY High Plains District Office
Updated 06/29/2026

1.0 General: Up-fit Law Enforcement Emergency Equipment on one 2025 Ford F150. The Bureau of Land Management (BLM), Wyoming High Plains District Office, requires the complete up-fitting, installation, integration, programming, testing, and delivery of law enforcement emergency equipment on one Government-owned 2025 Ford F-150. The contractor shall provide all labor, materials, equipment, transportation, and incidental services necessary to complete the work described herein.

2.0 Introduction: The Bureau of Land Management, Wyoming High Plains District Office requires Law Enforcement Vehicle Up-Fitting to meet the following specs for:

Vehicle: 2025 Ford F150
VIN: 1FTFW1L54TKD87280
License Plate:
Contact:

A. Emergency Warning Lights and Siren
   - **a. Control System:**
     - i. SoundOff Signal bluePRINT 500 Series (PN: ENGSA5101)
       1. Built-in bluePRINT Link
       2. 100W Single Tone Siren
       3. Each light must be connected to dedicated 5-wire outputs or together with 3-wire isolation protection on a 3-wire data bus.
   - **b. Control Panel:**
     - i. SoundOff Signal bluePRINT 19-button full RGB panel with slide switch (PN: ENGCP22001)
   - **c. Vehicle Integration:**
     - i. SoundOff Signal bluePRINT Vehicle Harness, 25’ Ford F-150 (PN: ENGLNVH018)
   - **d. Remote Nodes/Isolation:**
     - i. SoundOff Signal bluePRINT Remote Node(s) (PN: ENGND04101)
     - ii. SoundOff Signal bluePRINT Remote Node Harness(s) (PN: ENGHNK05/06)
     - iii. SoundOff Signal bluePRINT 3-wire data isolation devices (PN: ENGHNK07).
       1. Remote nodes are needed to ensure that each light can have independent control and functionality within a bluePRINT build. Furthermore, this ensures that all functionalities can be achieved properly. SoundOff Signal now supports 3-wire data driven emergency lights. To ensure that a data fault does not impact the entire warning system, isolation devices are required. One device per zone.
   - **e. Siren Speaker/Bracket:**
     - i. SoundOff Signal 100W Siren Speaker (5-year warranty) (PN: ETSS100J5)
     - ii. SoundOff Signal 100J Siren Speaker Bracket (F-150) Driver Side (PN: ETSSVBK14)
   - **f. Exterior Lightbar:**
     - i. SoundOff Signal 54” nFORCE nxt Lightbar
       1. Dual Color:
          - a. Driver Front/Sides: Red/White
          - b. Pass Front/Sides: Blue/White
          - c. Driver Rear: Red/Amber
          - d. Pass Rear: Blue/Amber

2. Clear Lenses, Graphite Top Covers
3. Standard Mounting Feet and Vehicle Specific Mounting Hook Kit

g. Grille Lights:

i. SoundOff Signal mpower Fascia 4x2 Dual Color
1. 1x Red/White Stud Mount on Driver Side
2. 1x Blue/White Stud Mount on Passenger Side
3. Mounting Location: One light on each side of the grille forward facing.

ii. Tomar 20” TRX Single Color Infrared LED Lightbar (White/IR) (PN: TRX-20C-IR-OB
1. With quick disconnect, black housing
2. Mounting Location: On front bumper

h. Side Lights:

i. SoundOff Signal mpower Fascia 4x2 Dual Color
1. 1x Red/Blue Screw Mount in place of F-150 Badge (Driver Side)
2. 1x Blue/Blue Screw Mount in place of F-150 Badge (Passenger Side)

ii. SoundOff Signal mpower Fascia 4x2 Black Bezel
1. 2x Black Bezel to be used with lights in F-150 Badge (PN: PMPSABZ02B)
2. Mounting Location: In place of OEM F-150 side badge

i. Rear Lights:

i. SoundOff Signal mpower Fascia 4x2 Dual Color
1. 1x Red/Blue Stud Mount (Driver Side) – White Silicone
2. 1x Red/Blue Stud Mount (Passenger Side) – White Silicone
3. Mounting Location: Evenly spaced on tailgate centered between “FORD” emblem and outer edge of tailgate.

B. Vehicle Interior

a. Center Console:

i. Troy Products 20” Vehicle Specific Wide-Body Console (PN: CC-21F1-0713-OS)
1. Faceplates:
   a. SoundOff Signal Control Panel: FP-SOBP22001
   b. Motorola APX 8500: FP-MXTL2500
   c. Dual USB and 12VDC: FP-USB2-1DC
2. Accessories:
   a. Dual Cup Holder: AC-INBHG
   b. Computer Mount: CM-SDMT-SL-LED
   c. 2x Magnetic Mic: 1x for Motorola Radio 1x for PA Mic
   d. 2x Troy Height Adjustable Mic Clip Bracket: AC-MIC-Z-FPI
   e. Troy 6” Internal Lockable Storage Box: AC-GUNBOX-6
   f. Streamlight DS HPL Flashlight Mounted to the rear passenger side of Troy Console
   g. Troy Console Mounted Height Adjustable Armrest Large: AC-TB-ARMMNT-XL

b. Dome Light:

i. SoundOff Signal obSERVE 6” Red/White Dome Light (PN: ECVDMLTAL00)
1. Mounting Location: Centered between front driver and passenger on headliner

c. **Computer Dock**:
   i. Gamber Johnson Dell Dock with no RF, lite port replication and LIND 12v power supply (PN: 7170-1090-00)

d. Prisoner Transport:
   i. Setina #6VS Single Prisoner Partition, Coated Poly. OEM Seat shall remain (PN: 1K0574FDT15F150PDR)

e. Gun Lock:
   i. 2x Blacrac Rifle Forward Facing Mounted to Partition on T-Channel
      1. 2x Setina Single T-Rail Mount with Blac-Rac lock (PN: GK0068E)
         a. 1 Lock to be mounted forward facing with Setina SPT Firearm mount (PN: GT0536FDT09F150) and a second to be mounted directly to the poly partition wall, for easy access from the rear driver door or seat.
   ii. Gun lock to be released by bluePRINT control system and a secondary momentary button located on Driver side B-Pillar trim. Required to be released for 8 seconds.

f. Radar:
   i. Pre-wire for a Stalker police radar unit. Includes installation of front and rear antenna cables as well as a pre-wire for power and ground for easy installation of a radar after the vehicle has been delivered.
      1. 20' Antenna Cable (Rear) (PN: 155-2591-20)
      2. 8' Antenna Cable (Front) (PN: 155-2591-08)
      3. Remote Display Interconnect Cable (PN: 155-2211-00)
      4. VSS Installation Kit (PN: 200-0622-00)
   ii. Wiring shall be securely routed and protected in a manner that prevents damage to harness and vehicles. All wiring shall be accessible behind either OEM trim panel or headliner for easy addition post installation.
   iii. Mounting Location:
      1. Front:
         a. Under center dash tray, easily accessible once trim screws are removed and trim piece removed.
      2. Rear:
         a. Secured in rear headliner on driver side.

g. Underseat Storage/Electronics Storage
   i. Troy Products Underseat storage box with sliding drawer and electronics area (PN: CP-GB54713-US)
   ii. All other electronics shall be mounted to the rear wall of the truck using a custom fabricated aluminum or steel panel to securely mount electronic items behind the OEM seating positions. Items must be accessible without removing the single prisoner partition wall.

C. Vehicle Accessories:

a. Blackout
   i. 836 Technologies Blackout module to disable brake and reverse lights.
   ii. Disable control panel backlighting when blackout is enabled and when dash dimmer is set below 5%.

b. Ignition Security

i. Secure idle provided through SoundOff Signal bluePRINT or through a standalone SoundOff Signal Ignition Security system (I.S.S.). (only if similar secure idle feature is not available by the OEM)

c. Cell Booster

i. We Boost Fleet Cell Phone Booster (With NMO Mount Antenna) (PN: 470254)

d. Vehicle Armor

i. Angel Armor in the front driver and passenger doors, rated for common hand gun threats NIJ Level IIIA.

e. Infrared Lights

i. Integrated into front Tomar off road lightbar. Controlled by independent switch on control panel.

D. Installation

a. Customer Supplied

i. The customer shall supply an aftermarket front bumper replacement that will need to be installed by the upfitter, in accordance with all manufacturer recommendations.

ii. A Motorola APX 8500 radio shall be installed in a manner that is easily accessible for maintenance and provides protection from gear, people, or fluids from damaging it.

b. Winch Prep

i. Installation of a front and rear Anderson Power Products SB-175 quick disconnect with 1/0 AWG Battery Cable routed to the OEM battery.

c. Materials Used

i. All aftermarket upfitter provided and installed wiring must be constructed with chemically cross-link polyethylene (XLPE) insulation with a minimum wall thickness of GXL or better.

ii. All butt splices should be an uninsulated connector sealed with adhesive-lined heat shrink to ensure that no oxygen or water can contact the connector or copper wire inside.

iii. Any component that can be removed such as a grille, bumper, tailgate, etc. which has aftermarket equipment installed onto it shall have an Amphenol or Deutsch weatherproof connector for easy removal.

d. Circuit Protection

i. Primary battery connector shall be protected with an EGIS Mobile Electric 150A circuit breaker, with a manual reset. (PN: 4703-150B)

ii. Each circuit should be individually protected by an appropriately sized fuse. Primary power distribution should be accomplished by a EGIS Mobile Electric Power Distribution Module 14 position fuse block. (PN: 2602B)

e. Graphics

i. Installation of customer provided graphics package or installation of graphics meeting the customer requirements.

f. Delivery
   i. Vehicle must be picked up and delivered to Cheyenne, WY.

g. Warranty
   i. Upfitter shall provide at least a five-year warranty on all products installed into the vehicle including their craftsmanship.

h. Facility
   i. The facility shall be a SoundOff Signal authorized dealer/distributor and shall be bluePRINT certified to install, service, and program the bluePRINT control system.
   ii. The facility should be located in the State of Wyoming and close proximity (within 250 miles) to Cheyenne, WY for installation, delivery, and support.

i. Diagrams
   i. Upon completion of the vehicle all circuits must be labeled for easy identification and wiring diagrams provided to the customer illustrating wire colors, locations, and functions.

E. Light and Siren Programming

a. SoundOff bluePRINT Settings
   i. System Shutdown Delay : 1 Min
   ii. The siren shall turn off when the vehicle is placed into park.
   iii. All lights must be in sync with each other, i.e. be on the same pattern when in park. Red shall flash on phase A and blue on phase B.

b. SoundOff bluePRINT Flash Patterns
   i. When the vehicle is in park, the pattern shall be Slow Runner
   ii. When the vehicle is in drive and slide switch is in position 3, Road Runner
      1. Same as above but with speed above 15 mph, Power Pulse
      2. Same as above but with speed above 45 mph, Power Sway
      3. Same as above but with speed above 75 mph, Inter-Cycle
   iii. When the vehicle is in drive and slide switch is in position 3, with the horn ring input is pressed, an intersection mode shall be displayed for 5 seconds on the front and sides of the vehicle. Center sweep
   iv. When the vehicle is in drive and the slide switch is in position 1 and the service brake is pressed, additional rear red lights shall activate for easy responder identification that the vehicle is slowing down or stopping.
   v. Horn ring shall be properly connected to allow for the operator to press the OEM horn pad as an input into the siren controller. Doing so shall cut the OEM horn from sounding only when in slide position 2 and 3.
   vi. One forward facing, steady burn red and blue light shall be visible in the overhead lightbar when the emergency lights are activated in order to be compliant with CA Title 13 relating to emergency vehicles.