# Specifications: Command Post Vehicle

## SCOPE:

The following specifications outline the minimum requirements for a custom manufactured Heavy Duty Mobile Command Vehicle to be utilized by the State of New Jersey, Department of Transportation (NJDOT). The vehicle shall be utilized in the most severe of conditions and must be designed and constructed for its intended use. While all efforts have been made to fully detail the construction materials, methods, and equipment required to accomplish this task, it remains the vendor's responsibility to choose components that shall provide maximum performance, service life, and safety and not just meet the minimum requirements. The vehicle is to be designed and constructed to provide a minimum 10 year life expectancy. It is for this reason that METAL CABINETRY IS REQUIRED. Offers submitted and based on the use of WOOD CABINETRY SHALL NOT BE CONSIDERED. Any item necessary for the normal and intended use of the vehicle shall be supplied by the Vendor even if it is not fully detailed in the specifications. The NJDOT, at its discretion, may request a Best and Final Offer (BAFO) for all bidders who submit proposals.

## DESIGN / ENGINEERING DRAWINGS:

The vehicle to be provided is to be constructed and designed so that it can quickly and effectively respond to a wide variety of emergency scenes. To accomplish this task, the cabinetry shall be sized and designed to house department supplied equipment. Dimensions for the equipment that shall be housed in the vehicle are provided to assist in the development of the cabinetry layout. General bulk storage cabinets or commercially available cabinets that are not specially sized for this application shall not be accepted. To ensure that the vehicle to be supplied meets the design requirements, a minimum of seven (7) engineering drawings must be provided by the bidder. Engineering drawings shall be scaled at ½" = 1'. In order to provide a true graphical representation of the completed vehicle, exterior drawings must be provided in COLOR. Drawings shall depict department vehicle graphics, emergency lighting lens colors, scene lighting locations and DOT specific lighting colors. Manufacturer's drawings should also depict all chrome, stainless steel and/or bright finished aluminum exterior appointments. Drawings must consist of one (1) overhead, one (1) passenger side interior, one (1) driver side interior, one (1) passenger side exterior and one (1) driver side exterior, one (1) front exterior and one (1) rear exterior views. All drawings shall include the cab and chassis of the vehicle and demonstrate their specific relationship to the interior layout. Simple block drawings of the interior layout only, shall not be accepted. The side views shall provide a pictorial layout of the compartmentalized storage design and designate equipment storage areas. Additional views as required to provide further detail on any special accommodation or feature may also be requested by the department. Bidders who fail to provide the aforementioned specified drawings for department evaluation shall be considered non-compliant and therefore disqualified.

It is not the intent of the State of New Jersey, Department of Transportation to purchase experimental and/or untested systems or vehicles that are normally constructed for recreational, commercial display, or any use other than Emergency Response and Command application.

The New Jersey Department of Transportation is requesting references. The references shall list five (5) Law Enforcement Agencies, Office of Emergency Management or similar. The references must be from agencies that purchased the same or similar type Command Vehicles that have been delivered over the past twelve (12) month period.

All references must contain:

Agency Name and Full Address
Agency or Contact Point with Telephone Number

**DESCRIPTIVE LITERATURE / BROCHURES:**

Descriptive literature and/or brochures with pictures of vehicles featuring the same or similar construction design, materials, and layout as requested for this project must be provided. This material is in addition to the requested engineering drawings which are to be specific for the State of New Jersey, Department of Transportation.

## VEHICLE SPECIFICATIONS

*CHASSIS*

Ford F-550 Cab/Chassis 4 x 4 – XLT Trim Level – Color White or Equivalent.

Minimum 201 inch Wheelbase

Steel Front Bumper

6.8 Litre V-10 Engine: 362 HP @ 4,750 RPM

Long Life Coolant and Hoses

40 Gallon Fuel Tank

Minimum 5-Speed Electronic Automatic Transmission with Overdrive

Power Steering

Power Disc Brakes with 4 Wheel Anti-Lock

OEM Air Conditioning for Cab, After Market Roof Top AC Units are Not a Substitute.

OEM Fresh Air Heater and Defroster for Cab, After Market Roof Top AC Units are Not a Substitute.

Minimum 157 Amp Alternator

Minimum 650 Amp CCA Heavy Duty Battery

The Current or Amperage Draw shall be determined by the Vendor. If it exceeds the output capable of a single OEM supplied battery the vendor shall install auxiliary a battery or batteries as required.

*SUSPENSION*

19,500 LB. GVWR

6,000 LB. GAWR – Front

13,660 LB. GAWR – Rear

Multi Leaf Rear Suspension, 4.88:1 Axle Ratio

Rear Limited Slip Differential

Rear Stabilizer Bar

*WHEELS / TIRES*

Six 19.5 x 6.0 Steel Disc, 8 Hole

Dual Rear Wheels

Full Wheel Hub Caps or Simulators

Minimum LT225/70R 19.5 BSW AS Front and Rear Tires

Front Tow Hooks

*CAB*

Power Windows and Door Locks

Tilt Wheel and Cruise Control

Interior Trim Gray

Cloth Seat Trim

Four (4) Auxiliary DC Power Switches

High Back Bucket Type Driver’s & Passenger’s Seats - FMVSS Approved with Seatbelts Seats must not be effected by installation of cabinets and must have full travel of seat pedestal (forward/reverse)

OEM Standard Gauges, Voltmeter, Engine Temperature, Oil Pressure, Speedometer.

Full Insulated Headliner

Two Speed Windshield Wiper with Intermittent feature

AM/FM/ Stereo with Clock

Driver's and Passenger’s Side Air Bag

Dual Note Electric Horn

*BODY*

18 Foot Work Area length

84 Inches Interior Height

91 Inches Load Space Width

Storage Attic over Cab to be Full width of body x 30 Inches deep

FRP Finish 5/8 Inch thick Sidewall

All steel galvanized rear posts and headers

Welded and reinforced all steel rear corners

One piece aluminum roof

Aero Dynamic Wind Deflector and Corner Posts

2 Inch X 6 Inch Dense Pine Sub Flooring

Full Width Rear Step Bumper equipped with door operated step lights.

Flip down Rear Step

30 Inch Wide Rear Door hinged on passenger side

32 Inch Wide Curb Side Sedan Door with two (2) Step Diamond Plate Aluminum Step Well

Door equipped with door operated step lights.

Inside of Doors lined with Aluminum .040 skins

Side and Rear Door Hardware to be A.L. Hansen Model 105 Two Point Latching System (or equal) with Exterior Handle, Westin Body Hardware Model AE1-4959-04 (or equal), and Interior Handle, A.L. Hansen Model 74-1-CH (or equal).

Additional Backing Plates installed at handle locations for reinforcement

Exterior Lighting per FMVSS108 – Recessed with Spliceless Wiring

**VEHICLE DIMENSIONS**

(DIMENSIONS SHOWN ARE FOR THE BASE VEHICLE PRIOR TO THE ADDITION OF EQUIPMENT OR OPTIONS)

Exterior Overall Length 27 to 28 Feet
Exterior Overall Width 94 to 96 Inches
Exterior Overall Height 122 to126 inches
Lab Area Length 211 to 217 inches
Lab Area Width 89 to 91 Inches
Cubic Capacity 940 to 956 Cubic Feet
Lab Area Height Floor to Roof 81 to 85 Inches

**EMERGENCY LIGHTING & SIREN**

Two (2) Whelen 400 Series Grille Mounted LED Lights.

Eight (8) Whelen 900 Series LED Lights – Two (2) Rear Mounted, Two (2) Front Mounted, and Two (2) Mounted on each Side. Color Red

Four (4) Whelen Model 9SC0ENZR LED scene lights with chrome trim ring. Driver Side and Passenger Side light sets are each switched separately. (Two (2) lights/switch)

Six (6) Whelen 500 Series LED Intersection Lights. One (1) mounted on each front fender, one (1) mounted on each front lower corner of body and one (1) mounted on each rear lower corner of body. Color Red

Two (2) 120V AC Powered, 500 Watt each Telescoping Floodlights upgraded to LED Heads and mounted to rear of vehicle with stainless steel hardware.
Electrical connection via liquid tight cord connector in compliance with U.L. listed standard 514B and weatherproof mounted junction box.

Whelen Model 295SLSA6 (or equal) Full Function Electronic Siren with 9 switch Light Control and Standard Switching.

One (1) Whelen Model SA315P, 123dB speaker, Nylon Composite, Grille Mounted.

Green Command Light - Whelen Model L31HGF Green High Dome LED Beacon. Mast mounted.

## SPECIFICATIONS / EXTERIOR

Generator Compartment Access Door manufactured of .090 minimum thick 3032 aluminum with channel bend ends all sides. Box pan frame with 45 degree chamfer corners mounted with stainless steel hardware.

Generator Door mounted to frame at back edge with stainless steel continuous “Piano Hinge”. Door secured closed with lockable vise action compression latch equipped with 302 stainless steel tension spring with adjustable grip range of 1.53 Inch to 2.15 Inch. Non-adjustable slam type latches and locks are not acceptable.

A Heavy Duty, Custom Fabricated Flip-down Step shall be installed on rear step bumper.

Heavy duty welded tubular steel frame construction with powder coated black paint finish.

Step and riser area of .124 Inch minimum aluminum diamond plate finish.
Step secured to rear step bumper via a continuous heavy duty piano hinge that is bolted to both the step and the bumper via stainless steel hardware.

Step secured in closed position during transit via durable, rubberized hood latches.

Conspicuity reflective stripping added to step and visible

Sedan Type Side Access Door Front Curb Side of Vehicle. Aluminum Diamond Plate side entry steps with door operated step lights equipped with an override switch.

16 Foot Power Awning Curb Side Mounted, Automatic Roll-up type with anodized aluminum wrap around weather shield with “Safe-T Lock”. All mounting hardware aluminum or stainless steel with blind mounted reinforcement plates.

Rear Observation System with Audio
Zone Defense Model SYS-323-1-4 (or equal) with Audio
LCD Monitor, 7-1/8 Inch W x 4-3/4 Inch H x 1 Inch D
Commercial Grade Housing equipped with easy touch back-lighted buttons
Infrared wide-angle camera (Minimum18 infrared emitters), high-grade microphone within camera
On-screen function menus are user friendly
Full Function Remote

One (1) Electro-hydraulic actuated Slide Room "Bump Out" shall be installed. Slide room shall extend from the body side 30 Inches when fully deployed. Slide room shall be a raised floor, straight out/in, design. Electro-hydraulic system shall include a parking brake interlock to prevent the room from being extended without the parking brake being set. A spring loaded roll out awning shall be installed to prevent the roof of the slide room from being exposed to debris or inclement weather.

A Four Jack Hydraulic Jack Leveling System with Status Monitor shall be installed.
Each Cylinder shall have its own pump and reservoir
10 Inch x 10 Inch Foot Pad on each leg for superior support
Operates using power extension and retraction
The stabilizers shall have a 12,000 to 17,000 pounds capacity per leg.
Automatic Control Panel with manual over ride

Exterior mounted storage box constructed of minimum .125 inch 5052-H32 brushed satin #2 finish marine grade aluminum. Units mounted on street and curb side of vehicle and sized (width) to optimize available space. All units are 22 Inch D x 16 Inch H. One (1) 48Inch box shall be mounted on passenger side rear and one (1) 30 Inch box shall be mounted on passenger side front.
Box Pan Door construction mounted over interior integral rain gutter. Door mounted with .070 (minimum) thick stainless steel hinge with ¼ Inch pin and 3/8 Inch (maximum) knuckle.
Stainless Steel 2 point securing T-handle with lock.
All mounting hardware to be stainless steel.

Shall-Burt Model TMD-6-25-368 (or equal) 25 Foot Telescoping Pneumatic Mast, mounted to rear of vehicle.
2 Gallon, ½ HP compressor
Airline Filter, Lubricator and Regulator
Control and Dump Valve
Magnetic Extension Warning Kit
40 Foot of Nycoil Cable
Controller mounted in lockable compartment

Overt IP Observation System, mast mounted.
Axis Q6032-E Environmental Camera Installed with:
35X Zoom Camera Module

PoE Midspan
USB Joystick Controller
IP Decoder for integration with on-board conventional video equipment
Cellular Router
System Requires a Department Supplied PC System and Cellular Modem to Operate.
Call for Integration Details

Four (4) IP Fixed color cameras to be mounted above exterior of side entry door, above rear door, front of vehicle and driver's side of body.

Power outlet and video feed line installed on exterior of vehicle under awning area.

Ladder for roof access to be mounted on back of vehicle.

External door shall be installed to provide access to equipment rack.

## INTERIOR CONFIGURATION

Command Area interior to have the following minimum cabinetry, features and equipment. To ensure that all required items shall be accommodated, a minimum of three (3) layout drawings shall be provided by any vendor submitting an offer.

Required views to include overhead view, curb side elevation, street side elevation, and any additional views that may be needed to accurately depict the floor plan of the vehicle. There shall be no exceptions allowed to this requirement of the specifications.

All vehicle wall and ceiling areas insulated with automotive type fibrous batting secured in place via a sprayed-on adhesive.

Walls and ceiling finished in FRP surfaced fiber substrate panels with white pebble grain finish. Panels secured to vehicle ribs via industrial grade aluminum rivets and screws. General wall areas finished in pebble grain FRP laminate.

Contour formed fabric clad aluminum panels provided for access to installed Command Area wiring. Aluminum panels to match interior trim finishes and be provided around entire perimeter of Command Area.

Floor leveled with minimum ½ Inch exterior grade AC rated plywood attached to vehicle sub floor with screws spaced no more than 12 Inches apart. Plywood coated with adhesive as recommended by manufacturer (Lonseal) and finished in Loncoin (or equal) one piece rubberized flooring. All edges capped with aluminum trim attached with counter sunk screws.

All Storage Cabinets shall be constructed with minimum .060 thick 3003-H14 aluminum. Heavy Duty Storage Cabinets to feature welded tubular steel framing of 1 Inch X 1 Inch X .060 and 1Inch X 2 Inch X .060 seamless tube.
Cabinets to have an industrial, baked on, polyurethane paint finish. All metal cabinets are to be degreased in a tricholorethylene vapor wash, thoroughly dried, and undercoated with phosphoric etch primer.

Final polyurethane paint finish to be applied in 2 coats (minimum) with final texture coat applied to a minimum 2 mil thickness.
Cabinet finish is to be baked-on in a convection type industrial oven at 160 degrees F (minimum).

One (1) floor mounted cabinet with Wilsonart (or equal) finished door equipped with vise action positive latching mechanisms with an adjustable grip range of 1.53 Inch to 2.15 Inch. Wilsonart (or equal) finished door to be mounted to steel frame of cabinets via adjustable blind hinges recess mounted in doors for strength.
All hardware utilized for vehicle cabinetry is to be heavy duty and designed for mobile applications. General light duty, home or decorative hardware is not acceptable.

One (1) Refrigerator Cabinet of welded steel frame and aluminum panel construction. Cabinet floor mounted under work area top has screened panels to provide proper air flow to refrigerator. Same industrial finish as other cabinets.

Five (5) 34 Inch to 36 Inch wide X 12 Inch high X 12 Inch deep aluminum wall mounted cabinet modules. Tapered front face design equipped with two (2) piece sliding smoked plexiglass doors mounted in clear anodized aluminum tracks. Doors equipped with high strength magnetic latch and handle.

One (1) Rack Mount Equipment Cabinet of welded 16 gauge steel with black texture powder coat. Front mounted rails provide 18 standard rack spaces. Front and side slotted ventilation panels and internal power strip. Cabinet shall include a lockable Plexiglas door.

Wilsonart (or equal) finished work counter at Radio Command Area 24 square feet minimum area. Mounted to welded tubular steel frame of 1 Inch X 1 Inch X .060 X 1 Inch X 2 Inch X .060 (minimum) tubing. Wilsonart (or equal) finish of counter and paint finish of framing to be color coordinated with other interior cabinet finishes.

Two (2) Adjustable Height, Swivel Seat Office chairs equipped with arm rests and floor mounted on sliding tracks located at Driver Side Operations Desk.

Two (2) Adjustable Height, Swivel Seat Office chair equipped with arm rests and 5 caster swivel base. Chair held in place during transit with bungee cord. Unit located at Passenger Side Operations Desk.

One (1) Norcold Model DE-0751BB (or equal) 120V AC / 12V DC Refrigerator.

Fully insulated partition wall finished in same manner as other interior walls.

Partition has 30 Inch wide door opening equipped with pocket door.

Approximately twelve (12) lineal feet (minimum) bench seating with storage beneath.

4 Inch high kick plate of 1/8 Inch Diamond Plate aluminum installed along bottom edge of bench seat.

Bench seat tops with a minimum of 3 Inch thick foam padding covered in automotive fabric finish. Fabric cover secured in place over plywood panel with continuous heavy duty staples along entire perimeter of top. Tops secured in place to bench frame via Velcro fasteners.

Back rests of same type construction as seat tops. Back rests secured to wall areas above bench seat pads.

Removable Wilsonart (or equal) finished conference table 30 Inch wide X 42 Inch long (minimum). Wall mount storage area for unit when not utilized.

42 Inch Flat Screen Monitor. Monitor to be installed in rear Conference area with custom fabricated mounting brackets.

One (1) removable Dry Erase Marker Board mounted in Command Area. Unit can be removed from vehicle interior and mounted on the exterior via vehicle installed brackets. Exterior mounting location to be in the same area as the exterior phone connection panel.

One (1) Wall Mounted Dry Erase Board approximately 18 Inch x 60 Inch. Unit mounted at Radio Station Work Area.

One (1) wall mounted dry erase board. Unit to measure 36 Inch wide x 24" high (minimum). Unit to be mounted over passenger side Operations desk.

One (1) Dry Erase Board Electronic Receiver. Receiver captures notes and images directly from dry erase boards and saves them on your computer. Notes and images can be quickly printed for all members of the team. System includes receiver, set of dry erase markers with marker sleeves, eraser, USB cables, power cable, software and carrying case. Available USB port required.

## VEHICLE POWER AND LIGHTING – 120V AC

General: Vehicle's electrical system shall be a split phase configuration with two (2) load legs at 120 Volts AC each (L1 & L2) plus Neutral (N) and Ground (G). Additionally,

this configuration shall allow connection of 240 Volt AC devices by feeding directly off L1 & L2. All primary lead wiring shall be sized according to NEC code for a minimum of 30 amp service per load leg. Extreme care shall be followed in wiring from power sources to ensure the proper phase relationship throughout the system. Finale power distribution shall be load balanced within 10%.

All wiring shall conform to NEC article 551.47 and all wiring shall be supported on 12 Inch centers, protected from metal edges through the use of grommets, loom, sleeves or other approved protective material, shall follow a consistent color coding. Wiring shall be tagged at connection points. All connection points and junctions shall be within an approved enclosure. All wiring shall be connected using to proper terminals and/or connectors.

A wiring ledger containing a complete listing of all circuits and their identification shall be provided with the vehicle.

Generator power source shall be one (1) Onan Model 7.0 KW HGJAE-1912 Commercial / Industrial Generator (or equal) installed in compliance with NEC article 551.30. Generator output shall be a minimum of two (2) load legs at 29.2 amp minimum service each and a combined capacity of 58.4 amps. All components used for these installations shall be heavy duty commercial/industrial rated and designed for extended and severe conditions operation.

Recreational vehicle or other non-commercial rated components shall not be accepted. All installations shall be done to industry standards.
One (1) independent starting battery for generator shall be supplied as recommended by generator manufacturer.

A Solid State Isolation Circuit (160 amp minimum rating) shall be installed between vehicle battery/alternator and generator battery.

The generator shall get its fuel from the OEM vehicle fuel tank.

One (1) Shore Power 30 amp-120/240 volt (4 wire) Power Input with spring loaded cover to be corrosion resistant type designed for use in damp and wet locations.

One (1) 30 amp-120/240 volt (4 wire) Shore Power Connection Cord, 25 Foot minimum length with locking connector.

One (1) 30 amp 4 wire to 20 amp 3 wire adapter shall be provided for battery charging.

Two (2) Service Entrance Circuit Breaker Boxes with resetable type circuit breakers Boxes installed in accordance with NEC article 551-30 and 551-31.

One (1) Panelboard Circuit Breaker Box with resettable type circuit breakers (fuse protection not acceptable). Boxes installed in accordance with NEC article 551-45. All

branch circuits shall be protected against overcurrent in accordance with NEC article 551-45

One (1) Neutral Breaking Automatic Transfer Switch shall be installed. Transfer switch contact load rating shall be a minimum of 50amp. Transfer switch shall default to the shore-power connection and automatically transfer loads to the generator once the unit is started.

Two (2) exterior mounted GFI protected 120V AC Duplex Outlets mounted at rear of vehicle. One (1) curb side and one (1) street side. Mounted in exterior rated, weather resistant housings with spring loaded covers.

Up to eleven (11) Duplex Outlets

Outlets at workstations shall have feature 2.1 USB charging ports.

Rackmount 20 amp power conditioner with voltmeter/ammeter.

**VEHICLE POWER AND LIGHTING – 12V DC**

All 12VDC wiring shall meet the same minimum requirements called out in NEC Article 551.47 as the AC wiring system. Additionally, DC wiring shall also feature unique color coding and identification tags for individual circuits.

Fuses for individual circuits shall be installed within a protected housing and be accessible without the use of tools.

The 12V DC Power of the vehicle is provided by either the Auxiliary Vehicle Battery System or the One (1) on-board installed 12V DC Power Converter. Progressive Dynamics Model PD2180, (or equal) 80 Amp Electronic Power Converter with Built-In Battery Charger.

A Solid State Isolation Circuit (160 amp minimum rating) shall be installed between vehicle battery/alternator and auxiliary battery.

All batteries (auxiliary, vehicle and generator) to be charged by vehicle alternator and the battery charger when garaged.

Two (2) 4-D Auxiliary Batteries shall be supplied.

All batteries (auxiliary, vehicle and generator) to be charged by vehicle alternator when engine is running and the various battery chargers when garaged.

Nine (9) 4K White, 4 Inch round LED lights with stainless steel trim ring.
Two (2) to be mounted inside the attic.
Two (2) mounted on the rear of vehicle, above the bumper next to the back step.

Five (5) one to be placed under each of the overhead cabinets.

Ten (10) Recessed 4K White, 42 LED Elements High Intensity Light fixture 6 Inch x17.5 Inch.
Four (4) in the ceiling of the rear conference area.
Six (6) in the ceiling of the front operations area.

## COMMUNICATION ACCOMMODATIONS

(Location of all items listed in this section must be depicted in layout drawings. Final locations and layout to be approved by The Department of Transportation prior to construction)

A total of six (6) 700 MHz. Police Radios shall be installed, four (4) at the operations area desk, one (1) 700 MHz. Police Radio installed at vehicle dash near driver and one (1) to be routed to junction box at top of mast. Police Radios and Radio Antennas shall be department supplied. Cellular Phone Antennas shall be vendor supplied.

700 MHz. Police Radio Installation shall be coordinated with department communications personnel as well as the radio manufacturer. Department shall supply pre-programmed radios with matching antennas. Vendor shall provide installation.

Radio Installation shall be done so that radios can operate from either the Vehicle Battery or the On-Board 120V AC to 12V DC power converters.

Radio Power source shall be protected by Circuit Breaker/ Switches mounted on the Master Control Panel.

Constant power sources shall be supplied as required to maintain any program or memory feature of radios or Cellular Phones.

Network Prewire with all lines home run to Rack Cabinet. Cat-5 Jack Panels mounted at each Radio Work Station and two (2) panels located in Conference Room. External network jack located in lockable box mounted on curb side exterior of vehicle. External CATV Jack located in the same exterior access box.

Three (3) Department supplied, Six Position Charger Racks shall be wall mounted at locations as designated by the Department.

Conference Area, Workstations and Exterior Areas are Pre-wired for Network Interconnectivity. Wiring is terminated at Cisco Small Business 24 port SG200-26 Gigabit Switch:
24 – 10/100/1000 Ports
Cat-5E Cable Minimum
Keystone Interconnect jacks
2 – GBIC Ports

## CLIMATE CONTROL SYSTEMS

Two (2) Dometic Duo Therm 15,000 BTU rated Roof Mounted Air Conditioner (or equal). Positioned to provide cooling to both Conference and Command Areas. Vehicle roof reinforced via welded tubular steel framing.

One (1) Webasto Air Top EVO 40B (or equal) Forced Air Heating System. Unit fueled from vehicle fuel tank delivers up to 10 hours of heat per gallon of fuel. Variable output from 1.7 to 3.5kW.

A 120-volt AC, 1500-watt wall mounted heater with internal fan and an automatic thermal safety switch. Circulated heat stream type with cast aluminum safety heating grid.

## MISCELLANEOUS FEATURES

Two (2) ABC rated 5 lb. Fire Extinguishers in spring loaded vehicle mounts.

One (1) Combination smoke detector/ Carbon monoxide alarm

Hand Rails – One (1) each mounted at entrance doors.

Federal Signal Model 256 (or equal) Back-up Alarm
Sealed Solid State Electronics
Durable Glass Reinforced Nylon Design that can be steam cleaned.
97dB, 6-36V DC Range

Two (2) 24 hour clocks – one mounted in Operations area and one in Conference area.

One (1) Minimum 27 Inch Flat Screen LCD Monitor wall mounted at Radio Station Area.

One (1) Digital TV antenna.

A Streamlight Model E-Spot C4 LED, Police Duty rechargeable Flashlight (or equal) with 12V DC vehicle charger / holder.
Unit wall mounted on minimum .125 Inch aluminum diamond plate panel secured to vehicle wall uprights.

A Class 4 Trailer Hitch shall be mounted to the rear of the vehicle capable of towing up to 10,000 lbs. A "BERG" 7 wire connector shall be provided for running lamps, brake lamps and turn signals. An electronic brake controller is also installed and wiring provided to the trailer connector. A second trailer plug shall be supplied A.T.A. approved, 7-wire receptacles with non-metallic housing and socket boot (Cole-Hersee No. 12080), factory wired, to S.A.E. and 7-wire A.T.A. color code and standards.

Roll-out tray to be installed for Department supplied 36” wide plotter.

One (1) Keurig K55 Single Serve coffee maker.

## TRAINING

The vehicle outlined in these specifications contains multiple power supplies, audio/video systems, command/communication equipment, etc. that are unique to police and public safety services. To ensure that the vehicle and its systems are understood, used and maintained properly, a factory training program shall be provided. The training program shall be coordinated with the completion of the vehicle so that the using personnel shall be trained on the actual equipment. The program shall be a "Hands- on" use of the equipment. Standard operating procedures, maintenance practices, camera operations, (if applicable) as well as full instructions on all vehicle systems shall be discussed.

The Instructors for the course shall be the manufacturer's technicians and representatives with full knowledge of the vehicles electrical systems, video equipment, radio systems, computer network, etc. An operations manual tailored for the vehicle shall be used in conjunction with the "Hands-on" operation of the equipment to provide a comprehensive and complete training.

The training session shall be provided at the production facility of the manufacturer. This shall allow for a complete and thorough inspection of the vehicle prior to its delivery.