

**HOPE ONE ATLANTIC COUNTY  
MOBILE OUTREACH COACH VEHICLE  
SPECIFICATIONS**

**STATEMENT OF WORK**

**INTENT**

It is the intent of these specifications, terms, and conditions to describe a Mobile Outreach Vehicle for the Hope One Atlantic County Mobile Outreach.

The Hope One Atlantic County Mobile Outreach intends to award a onetime purchase to the bidder selected as the most responsible bidder whose response meets the Hope One Atlantic County Mobile Outreach requirements.

It is the intent of these specifications, terms, and conditions to procure the most environmentally preferable products with equivalent or higher performance and at equal or lower cost than traditional products.

**SCOPE**

The Hope One Atlantic County Mobile Outreach is interested in purchasing one (1) mobile outreach vehicle. The “HOPE ONE” mobile response unit will offer critical support for persons struggling with addiction. The Atlantic County Sheriff’s Community Services Unit will operate the mobile unit with our partners. The “HOPE ONE” vehicle will travel to locations throughout Atlantic County providing services to persons in need. A Sheriff’s officer, licensed clinician, and a certified peer recovery specialist – who understand the needs of those suffering with addiction and who can triage individuals in crisis, will staff the vehicle.

In addition, Narcan kits and training will be provided to family members and friends of those suffering with an opioid addiction. The specialists staffing the van will also maintain communications with treatment centers, so they can track available beds, in real time, in the event they encounter an individual who is in immediate need of treatment. Our goal is to provide direct assistance to people regardless of their socioeconomic status or condition.

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The intent of the “HOPE ONE” mobile unit is to remove barriers for people in need of services and eliminate the stigma associated with seeking help. The mobile unit will be a caring, non-judgmental environment for any resident of Atlantic County seeking safety and treatment guidance and support.

The vehicle provided shall be new and unused, and delivered with the manufacturer’s standard

**BIDDER QUALIFICATIONS**

BIDDER Minimum Qualifications

Bidder shall be regularly and continuously be engaged in the business of providing mobile outreach vehicles with kitchens as either a manufacturer or dealer for at least three (5) years.

Bidder shall possess all permits, licenses and professional credentials necessary to supply the product and perform services as specified.

**SPECIFIC REQUIREMENTS**

1. VEHICLE SPECIFICATIONS
  - a. It is the intent of these specific requirements to cover the furnishing and delivery of a complete Mobile Outreach Vehicle. Minor details of construction and materials, where not otherwise specified, are left to the discretion of the contractor, who shall be solely responsible for the design and construction of all features.
  - b. Bidders shall furnish, with their bid, technical information graphs, charts, photographs, engineering diagrams, drive train certification, or other means to show that the equipment quoted fully complies with this specification. In the event the literature furnished by the bidder is at variance with the requirements of any item of this specification, the bidder shall explain in detail, with full engineering support data, the reasons why the proposed equipment will meet this specification and not be considered an exception thereto.

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**SUMMARY OF ITEMS TO BE PROVIDED UPON DELIVERY**

- a. Operator's manual for vehicle and all add-on equipment
- b. Chassis owner information packet
- c. Extra set of keys
- d. Lifetime module warranty
- e. Factory warranty on chassis
- f. Module remount engineering checklist
- g. Climate control information and warranty
- h. Main Schematic
- i. Electrical equipment amperage ratings
- j. Wire coding list
- k. Schematics for standard systems: (As Built)
  - (1) Drive switch console
  - (2) Attendant switch console
  - (3) Climate Control system
  - (4) Module harness routing
  - (5) Interior and exterior lights
- l. CAD drawings showing wiring of auxiliary circuits, and/or modifications of standard vehicle wiring which would not be included in the standard vehicle maintenance manual

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- m. CAD drawings showing wiring of auxiliary circuits, and/or modifications of standard vehicle wiring which would not be included in the standard vehicle maintenance manual
- n. Certified weigh master's certificate
- o. Evidence of registration
- p. Pre-delivery inspection report to show that vehicle is clean, lubricated, serviced and ready for immediate use
- q. Completely filled fuel tanks
- r. Two (2) copies of parts, service and operational manuals; manuals shall include "As Built" body wiring diagrams
- s. Operations Manual
- t. Schematics for individual options

**DELIVERY AND ACCEPTANCE**

a. Delivery of the vehicle is to be completed within 260 days or less after receipt of acceptance of the bid by the Hope One Atlantic County Mobile Outreach. If the delivery is delayed because of strike, injunctions, governmental controls, or by reason of any cause or circumstances beyond the control of the manufacturer, supplier, or contract, the time of completion of delivery may be extended upon written request for a time extension from the bidder. The request for extension must include detailed justification for the length of the time extension

b. Prior to delivery, the vehicle shall be serviced and inspected by the manufacturer. A copy of the manufacturer's inspection and service check sheet, including the manufacturer and vehicle identification, check-off of service and inspections performed and the service manager's signature shall be furnished with the units at the time of delivery.

The units' crankcase, differential, and transmission shall be filled to the manufacturer's recommended capacity. The units shall be clean and free from defects when delivered.

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- c. Acceptance of the mobile outreach vehicle shall be conditioned by inspection of an authorized representative of Hope One Atlantic County. The mobile outreach will be inspected for workmanship, appearance, proper fit and functioning of all equipment and systems and conformance to all other requirements of this specification.
  
- d. Bidder shall register the vehicles with the New Jersey Department of Motor Vehicle (DMV).
  
- f. Payment Terms: Full Amount on Delivery – No deposit
  
- g. ISO9001 Certified
  
- h. Must have past experience building a kitchen/outreach vehicle
  
- i. Vehicles delivered with as built interior and exterior AutoCad and/or Solid Works drawings. Complete wiring schematics provided with vehicle.
  
- j. Bidder shall possess all permits, licenses and professional credentials necessary to supply the product and perform services.

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**\* Equivalent to or Better than**

**I. DIMENSIONS**

1. * Overall Length	33 ft.
2. * Exterior Width	101 in.
3. * Overall Height	11 ft. 8 in.
4. * Interior Width	96 in.
5. * Interior Headroom	86 in.
6. * Interior Floor Length (behind cab area)	26 ft. 7 in.

**II. CHASSIS SPECIFICATIONS**

1. * Chassis Type	<i>Ford F-53, Super Duty</i>
2. NON – CDL	No Commercial Driver’s License needed
3. Wheelbase	248"
4. GVWR	22,000 lbs.
5. * Frame	High tensile strength carbon steel, 50,000 psi 9.46 cu. in. section modulus
6. * Engine	6.8L SOHC three-valve Triton V10 362 HP @ 4750 RPM 457 lb. ft. @ 3250 RPM
7. Transmission	Torque shift, 5-speed automatic overdrive transmission
8. Alternator	12V, 130 amp, 1950 watt
9. Battery	12V maintenance free, 750 CCA 78 amp-hr.
10. Brakes	Hydraulic, hydromax 4 sensor/4 channel 4-wheel ABS Bolt- on adapters, wrap around tie bars Parking brake transmission mounted, foot operated

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- |                         |  |
|-------------------------|--|
| 11. Fuel Tank           | 75 (U.S.) gallon capacity, between frame rails<br>Driver's side fuel fill<br>"Gasoline Fuel" permanently mounted near fuel fill Generator<br>fuel pickup tube installed by fuel tank manufacturer, set at<br>depth not to empty tank |
| 12. Front Axle          | 9,000 lb. capacity, monobeam, <i>Westport</i>  |
| 13. Suspension<br>Front | 9,000 lb. capacity, tapered multi-leaf<br>Single stage, constant rate<br>Front shock absorbers, 1.63", gas pressurized Stabilizer<br>bar, 1.5"   |
| 14. Rear Axle           | 15,500 lb. capacity, <i>Dana S145</i> , full floating<br>Axle ratio, 5.38:1  |
| 15. Suspension<br>Rear  | 15,500 lb. capacity, tapered multi-leaf<br>Single stage, constant rate<br>Rear shock absorbers, 1.63", gas pressurized<br>Stabilizer bar, 1.4"   |
| 16. Cooling             | Anti-freeze protection; ethylene glycol, 50/50, to -35 degrees   |
| 17. Steering            | <i>TRW</i> TAS 40 steering gear<br>Tilt steering column<br>Two-spoke 18" black steering wheel  |
| 18. Horns               | Dual electric<br>Back up alarm   |
| 19. Instruments         | Fuel level, engine coolant temperature, engine oil pressure, electronic<br>speedometer with odometer, tachometer, alternator gauges; directional signal and high<br>beam indicator, warning lights                                   |
| 20. * Tires             | 255/80R22.5G BSW highway tires<br>Spare tire provided, shipped loose   |
| 21. * Wheels            | 22.5" x 7.5"<br>Aluminum Alcoa Dura-Bright, steel inner wheels rear  |
| 22. * Miscellaneous     | Cruise control integrated into steering wheel  |

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Trailer hitch, rated 5,000 lb. draw bar, 350 lb. tongue weight  
Automotive air conditioner, blend air system

**III. BODY SPECIFICATIONS**

1. Body shall be coach style, flat interior floor. Body framework to be welded aluminum designed to be durable, and adequately reinforced at all points where road shock and vibration stress concentration occurs. All cab steel to be electroplated for rust protection and to eliminate corrosion and oxidation concerns.
2. Interlocking extruded aluminum structural components create integrated floor-to-sidewall, and sidewall-to-roof joints. Steel mounting plates to be located in walls for mounting cabinets and appliances.
3. Exterior skin to be fiberglass, smooth one piece, high gloss, bright white. Exterior side paneling shall be designed to contribute to the overall structural integrity of the coach body.
4. Roof shall be one piece fiberglass, run the full length of the roof, provide sufficient strength for walking. Roof to be crowned for water run-off.
5. Roof to be structurally reinforced in the area where each air conditioner is installed. Roof reinforcement shall address not only the weight of the air conditioner unit but the additional stress created by the continual vibration of the unit when in operation. Coach roof shall be adequately caulked and sealed from moisture and the environment in general around the area of the air conditioner installation.
6. Body shall have street-side sedan driver's door with power raise/lower window, vertically mounted assist bar and exterior step.
7. Body shall have one (1) swing out main entrance door, 28" x 76", on right side in cargo area. Door shall be double constructed aluminum with polystyrene foam insulation in the core with a fixed window 18" x 28", slam type latch and dead bolt lock.
8. Two (2) interior stepwells at main entrance door. Each step tread shall be molded non-slip rubber tread material. The treads shall be securely fastened and silicone sealed at the edges.
9. Main entrance door to have one (1) dual electric step, equipped with permanent magnet motor and control unit, door activated with ignition override. Steps to be equipped with power switch to allow steps to be locked in the down position when entrance door is open. Steps to be wired to engine battery, with textured skid surface.
10. Full body width integrally molded rear bumper.
11. Front bumper, integrally molded into front cap, steel reinforcement.
12. Fiberglass, single panel, hinge down hood provides access for service, fluid checks and fill points.

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13. Remote control exterior mirrors with defrost feature. Each mirror to have 60 sq. in. minimum viewing area, flat glass and 30" minimum viewing area, convex glass.
14. Mudflaps with anti-sail brackets on rear axle.
15. Tinted laminated safety glass windshield mounted in steel with non-hardening sealants with driver and passenger sun visors.
16. Windshield wiper motor and wiper arms mounted in steel. Wipers provide intermittent feature with single motor and pantograph arms.
17. Exterior compartments, lighted, fully hinged with gas strut supports and a single paddle latch release.
18. Daytime running lights. Upper brake light to be provided located in the middle of the rear of the vehicle, 10" x 40" over the rear bumper.
19. Full Wrap Graphics package wrapping of vehicle

**III. DRIVER/PASSENGER CAB AREA**

1. High-back driver's bucket seat with armrests, headrest, recline, multi-adjustable, manual adjustable lumbar and three point shoulder and lap seat belt with retractors. 180 degree swivel and slide pedestal control.
2. High-back passenger's bucket seat with armrests, headrest, recline, multiadjustable, manual adjustable lumbar and three point shoulder and lap seat belt with retractors. 180 degree swivel and slide pedestal control.
3. \*Two (2) front windshield fans, *Meradyne* 3000 or equal.
4. Overhead storage above windshield.
5. Driver cab entry door.
6. Wrap around pleated shade for windshield.
7. AM/FM/CD and cassette stereo with digital clock, seek and scan feature to be located in the dashboard easily accessed by driver. Roof mounted radio antenna. Includes two (2) cab area speakers, 6" each.
8. Sign on dashboard with vehicle height listed.
9. Payload sticker in cab area with vehicle axle loads and available axle payload as built.

**V. INTERIOR**

1. One (1) 9V smoke alarm, ceiling mounted.
2. Two (2) 5-pound dry chemical fire extinguishers located near exits.
3. \* Floor to be covered with *Tarkett Footnotes*, or *Roppe Rubber*, non-skid medical-grade flooring. The *Tarkett* vinyl is a continuous piece front to back and *Roppe Rubber* is 19 inch replaceable squares.  
Finished ceiling to be sound absorbing, flame retardant, solution dyed polypropylene fiber material, 24 oz. minimum. Class A rated per ASTM E-84. Continuous run from front to rear.

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4. Walls and ceiling insulated with polyurethane block foam sheet insulation bonded and routed to incorporate framework. Ceiling "R" factor of 14.
5. Interior walls covered with luan vinyl.
6. 1-1/8" plywood floor with 1/4" minimum exterior grade plywood underlayment for finish flooring.
7. All bulkheads to be laminate finished, color matched.
8. One Kitchen service window
9. Adjustable ergonomic office type chair, with pneumatic height control, swivel pedestal and five (5) caster wheels to be provided for each workstation. Chairs shall be cloth upholstered, seat height and back supports shall be adjustable. Chairs shall be secured in knee space area for travel by a strap or bungee cord. All chairs to have protective plastic edge on rear corners to prohibit damage from countertop edges.
10. 40" TV (Size TBD)(Supplied) mounted with laptop connection
11. USB Connections
12. Front area storage cabinets
13. Front workstation/desk
14. Chair, secured
15. Front cushion bench seat
16. Center area two (2) workstations
17. Chair secured
18. 40" TV

**VI. CABINETS**

1. All cabinets to be constructed of 3/4" cabinet grade plywood with laminate finish.
2. No particleboard, fiberboard or MDF materials to be used in cabinet construction.
3. All cabinet doors to be finished with polished white laminate dry-erase boards or laminate.
4. All horizontal-hinged cabinet doors to have Grass KB70 hinges with integrated hold-open and soft-close features to prevent opening while vehicle is in motion. All doors to be cut using aircraft tolerance CNC router.
5. All vertical-hinged doors and drawer fronts to have chrome finished *Lamp* catches with deadbolt or locks to prevent opening while vehicle is in motion. All doors to be cut using aircraft tolerance CNC router.
6. All drawer faces to be finished on all exposed edges with 3mm color-coordinated hardened PVC edge-banding with radius corners and edges. All drawer faces to be cut using aircraft tolerance CNC router.
7. All drawers to be assembled using a modified dovetail process.
8. All cabinets to be mechanically fastened or screwed, no staples.

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9. Shelves are to be constructed of 3/4" cabinet-grade plywood with no voids on sides and have 2" extruded aluminum front lip.
10. All shelving is to be adjustable in 1.125" increments.
11. All drawers are to use heavy-duty, ball bearing, double-action drawer slides.
12. Countertops to be 3/4" cabinet-grade plywood, doubled to 1.5" at the edges and finished with 1.5" x 3mm or 1.5" x 2mm color-coordinated hardened PVC edgebanding with radius corners and edges.
13. All cabinets to be European face-frame design with flush-mount door and drawer faces.
14. All exposed corners to be .125" minimum, anodized, extruded aluminum with 1" radius. Visible fasteners on exterior radius corners are NOT acceptable.
15. All cabinets to be cut using aircraft tolerance CNC router. Designs must be saved for 20 years
16. All plywood to meet or exceed CARB air standards.

**VII 120/240V AC ELECTRICAL SYSTEM**

1. All wiring shall meet or exceed NEC or applicable FMVSS standards. For ease of maintenance and service a removable wiring access panel parallels all horizontal wiring routes.
2. Two (2) Onan 7KW air cooled gas powered generators or One (1) 15Kw Kohler
3. Generator compartment to be insulated with high density sound absorbing foam and oil resistant foil faced lining.
4. Generator shall be plumbed to draw fuel from chassis fuel tank.
5. All 120/240V AC main wiring is to be stranded, bundled and color coded THHN wire.
6. Install one (1) 120/240V AC control panel with generator and shore power main breaker UL listed magnetic/hydraulic branch circuit breakers with LED indicators to show activation.
7. Install duplex wall outlets at each workstation.
8. All electrical circuits and appliances shall conform to applicable national electrical codes.

**VIII. HVAC SYSTEM**

1. Install three roof mounted (3) 13,700 BTU air conditioners.
2. Forced air electric heat evenly distributed and designed to keep the interior at 72°F when the ambient temperature is at 0°F.
3. Two (2) roof ventilators, powered, reversible, *Fantastic Vent* or equal.

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**VIII. PLUMBING**

1. Forty gallon minimum water capacity, electric water heater, demand water pump, monitor panel, forty five gallon holding tank minimum.
2. Install two (2) 10" x 14" stainless steel sink with chrome-plated laboratory style sink hardware.
3. Chrome-plated paper towel dispenser by sinks.
4. GFCI duplex wall outlet where needed.
5. Water pump with accumulator tank, Surflo or equal, 2.8 GPM.
6. Hot water heater, two gallon fast recovery, electric.
7. Water inlet with a non-regulated tank fill, with locking access door.
8. All plumbing pressure pipes shall be CPVC.
9. Sewage hose and dump valve shall be provided for holding tank.

**X . KITCHEN**

1. Install two (2) 10" x 14" stainless steel sink with chrome-plated laboratory style sink hardware
2. Install stainless steel kitchen
3. Reach in Commercial Refrigerator
4. Commercial Freezer
5. Dual Bowl Sinks
6. Base work cabinet

**XI. 12V DC ELECTRICAL SYSTEM**

6. In addition to the chassis batteries, two (2) group 27 deep-cycle batteries to be provided. Batteries shall be installed underfloor in weather resistant compartment.
7. All 12V wiring THHN stranded, bundled, color coded and numbered.
8. One (1) 75 amp minimum power converter with charger to convert 120V nominal AC to 13.6V DC to include reverse battery polarity protection, brown out input protection. Fan speed to be controlled by converters internal ambient temperature.
9. One (1) solenoid to be installed to allow alternator to charge the main and auxiliary batteries while vehicle engine is running.
10. Two (2) *Cole Hersee* M284 master disconnect switches for main battery system and auxiliary battery system.
11. 12V DC control panel with UL listed magnetic/hydraulic circuit breakers with LED indicators to show activation.

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12. 12V 18" white fluorescent light fixtures to be provided on ceiling as needed. Each light to have individual switch in addition to a main switch to control all lights at the electric panel.

**XII. WIRING REQUIREMENTS**

1. 2-Gauge minimum copper stranded battery cable to be used for 12V DC main supply lines. All cable runs to be full length, no splices. All cable terminals are to be staked and soldered.
2. All added electrical circuits shall be protected from over current by resettable circuit breakers appropriately rated for the load.
3. Circuit breaker functions are to be identified by engraved or printed labels.
4. All wiring shall be numbered or lettered on 6" centers minimum.
5. All wiring is to be protected from chafing and abrasion.
6. Where wire passes through sheet metal, bulkheads and structural supports plastic grommets shall be used to protect both wiring and wire looms.
7. USB

**XIII. MISCELLANEOUS STANDARD FEATURES**

1. Automatic hydraulic leveling system sized for GVW of vehicle.
2. Rearview camera system with monitor custom built into dashboard, to be provided to assist in backing up vehicle. Monitor is 7" measured diagonally and automatically turns on when vehicle gear lever is set in reverse. Camera to provide field of view of 100 degree horizontally and 80 degree vertically.