

## Ambulance Bid with Trade Vehicle Allowance

Town of Alton, NH

### Invitation to Bid

The Town of Alton, NH is accepting bids for one 2019 Dodge D4500 4x4 Type I Ambulance, as specified in the attached bid.

Scope of work can be found of the Town website [www.alton.nh.gov](http://www.alton.nh.gov). Sealed bids marked "Ambulance Bid"

Bids are to be received at the Town Hall, PO Box 659, 1 Monument Square, Alton, NH 03809 by June 29, 2018 at 2:00 pm. Bids to be opened and a recommendation will be made by the Fire Chief to the Alton Board of Selectmen prior to July 16, 2018 by 1130 am. No faxed or emailed bids will be accepted. The Selectmen reserve the right to accept or deny any bid in the interest of the Town.

### Ambulance Bid — 2018

Instructions to bidders for Exceptions — Each bidder that is not able to comply with any section of the bid, shall make written notification in the following format. Exceptions not noted in this format will result in disqualification of the bid.

#### Example

Page #2

Chassis, Additional

Stainless Steel Wheel Inserts

Exception — What the Bidder proposes as an alternative

Each bidder shall include at a minimum of two, 3 ring bid binder's which Includes the proposal, pricing, warranties and a full complement of the proposal, exceptions, warranties, design and drawings. This is to allow the Alton Fire & Rescue Department to have one location for a full description of what is supplied, warranted and provided by the ambulance builder to the department for evaluation of the bids and future use and reference. Each bid package shall be indexed for easy reference. One bid to remain with at Alton Town Hall. One copy to remain the Alton Fire & Rescue Department.

#### **Chassis**

2019 Dodge D4500 4x4 Ambulance, 108" CA, Wheelbase 192.5" CA, Package 29A, Regular Cab

DODGE D4500, 4x4, 108" CA (DP9L65) 29A

Wheelbase 192.5" - 108" CA Dual Rear

G.V.W. 16,500 lbs.

Engine – 6.7 I6 Cummins Turbo Diesel Engine OHV direct diesel injection 24

valve intercooled turbo diesel engine. (ETK)

Transmission – DF2 – 6 Speed Auto Aisin AS69RC HD Transmission

Engine Block Heater

Engine Oil Cooler

Heavy Duty 6 Speed Automatic Aisin AS68RC

Automatic Transmission with overdrive (DF2)

Transmission Oil Cooler

Diesel Exhaust Brake NEN

Stainless Steel Exhaust

Rear axle 4.10 with Limited Slip differential

Auto locking hubs

Electronic Shift on the Fly Transfer Case (DK3)

Fuel Capacity: 52 gallon single tank (aft axle)

Ambulance Prep Group (AH2)

DUAL 220 Amp Alternators ( total 440) (XF7)

1460 amp (total) dual batteries

Voltage monitoring Auto Idle up System

Cold Weather Group (ADE)

Engine block heater

Winter Front Grille Cover

Safety

Dual air Bags, passenger side front-impact cancellable air bag.

Front height adjustable seatbelts with front pre-tensioners

4 wheel Antilock braking system

Steering & Suspension:

Hydraulic power-assist re-circulating ball steering Power Brakes- Four Wheel Disc

Non-independent front suspension

Front leading link suspension

Front anti-roll bar

Front coil springs

HD front shocks

Rigid Rear Axle

Liquid Spring Suspension

HD Rear anti-roll bar

HD rear leaf springs

HD Rear Shocks

Tires/Wheels: 225/70R19.5 BSW (6 all season), Continental Brand

Full Size Spare Tire & wheel (TBB)

Front and Rear Wheels (6) 19.5 x 6.00" (steel)

Comfort and Convenience

Air Conditioning

Cruise Control with steering wheel controls

Analog instrumentation display includes; tachometer, oil pressure gauge, engine temperature gauge, voltmeter gauge, oil temperature gauge, transmission fluid temperature gauge, engine hour meter, trip odometer

Warning Indicators include: engine temperature, low oil level, low coolant, lights on, low fuel, low washer fluid, door ajar, transmission fluid temp.

Intermittent front windshield wipers

29A STD CAB TRIM

Vinyl Floor Covering

Vinyl 40/20/40 Bench Seat - Cloth

Full cloth headliner

Black Instrument Panel Bezel

POWER AND REMOTE ENTRY GROUP (AJH)

Premium Vinyl Door trim with Map Pocket

Power Door Locks

Power Windows

Power Black Trailer Tow Mirrors

Exterior Mirrors Courtesy Lamps

Exterior Mirrors with Heating Element

Remote Keyless entry

CHROME APPEARANCE GROUP (AMP)

Chrome Front Bumper

Chrome Grille

RA2 Radio AM/FM/BT 5.0 inch touch screen display (RA2)

Low Beam Daytime Running Headlamps (LM1)

Halogen Quad/ Automatic Headlamps

Side Steps (Running Boards) on Dodge Cab w/Grip Strut Inserts

Color Scheme:

Exterior Color: Dodge Flame Red

Interior Color: Dark Slate/Medium Graystone (X8)

### **Module**

Length - 170" Ambulance Module Interior Finished Height — 72" Drop Skirt Design Modular Body

Overall Length — 308"

Width — 99"

Height — 112"

Each Ambulance Vendor shall include in detail how the ambulance bidder constructs the Ambulance Body, Framework, Compartment Doors and Interior Cabinet Construction and method utilized to secure each sub-section. This shall include all dimensions, thickness of material, etc. The Alton Fire & Rescue will evaluate each ambulance vendor's design, materials and methods of construction in the selection of the successful vendor.

### **Exterior**

Modular Body Construction —The structural integrity of the body shall be guaranteed for the life of the unit, to the original purchaser.

Body Mounting — Rubber donut mounts

Exterior Doors — Ambulance Body

Trimark Power Locking Entrance Doors – 3 Doors (Side Entrance Door & Rear Entrance Doors)

Trimark Paddles Handles – Compartment Doors

Gas Springs — Open Past 90 Degrees on Patient Module Entrance Doors Doors

Cast Products Grabbers on Rear Door Hold Open, Polished Aluminum

Double Spring, 90 Degree Door Checks, 11" Arm, 50 LB Spring Compartment Layout

### **Compartments - Exterior**

Left Front Compartment —20" Wide x 86"High x 21" Deep with window into interior for oxygen cylinder access

Left Middle Compartment — 43" Wide x 42" High x 20" Deep — Inside/Outside Access Left Rear —34" Wide x 55" High x 20" Deep

Left Rear Compartment – 32" Wide x 59" High x 20" Deep – Fire Department Fire Gear & Equipment Storage

Right Front (ALS) Compartment — 20" Wide x 55" High x 33" Deep & 20" Deep (Storage Area Below the Floor Level)

Right Intermediate Compartment — 13" Wide x 25" High x 20" Deep (Air Horn Compressor to be located in this compartment)

Right Rear Compartment —24" Wide x 83" High x 21" Deep - This compartment will be able to hold, two long spine boards, one scoop stretcher and one Stryker Stair Chair w/Tracks.

### **Compartment & Door Panels (Etc)**

Compartment Door Panels — Aluminum Diamond Plate

Stainless Steel Door Sills, Compartments & Entrance Doors

All Compartments to be vented to the exterior

Dri-Dek Floors of Compartments — Black in color

Turtle Tile Non-Skid Mat in Curbside Stepwell

### **Compartment Configuration**

Left Front —Oxygen Bracket & One Adjustable Shelf

Left Middle - Two Adjustable Shelves

Left Rear — One Adjustable Shelf. Zico Corner SCBA Brackets (Same style & MFG as current Alton A-1), Pac Tool Mounts for a Halligan Bar, Flat Head Fire Axe, Bolt Cutters. To be same type & style mounts as the current Alton A-1 Ambulance.

Right Front – Reference Interior cabinet Section

Right Middle – No Shelving

Right Rear - One Full Height Divider, (3) Adjustable Shelves. Stryker 6252 Stair Chair to fit under the shelving

Right Rear— Full Height Divider with three adjustable (10") shelves. Divider to be 12" off from the front wall

Adjustable Spine Board Holders

Securing straps for spine boards & Stair Chair, nylon with metal buckles

### **Front of Vehicle – Exterior**

Dodge Running Boards w/Grip Strut Inserts

Front Stone Guards, Polished Diamond Plate on front corners of module

### **Rear of Vehicle - Exterior**

Rear Step Bumper – Lift-up Rear Step, Recessed. License Plate holder in body, left side rear, Cast Products w/LED Light. Rear Dock Bumpers, Bolted to Bumper Ends, Rubber. Grip Strut on Rear Flip Up Bumper

Tow Eyes – Rear, Recessed Housing, Stainless Steel

Rear Diamond Plate Panel & Tail Corner Guards

### **Exterior Trim**

Fenderettes, Rolled, Polished Stainless Steel Miscellaneous

Rub-Rails, C-Channel, Bright Finished Running Boards with non-slip Diamond Plate w/grip strut inserts

Undercoat Body – Audiogard Type Material

### **Body Windows**

Window, Side Door of Module, 18" Wide x 22" High, Sliding, Dark Lim Type Tint

Window, Rear Module Doors, 15" Wide x 22" High, Fixed Windows, Dark Limo Type Tint

### **Insulation**

Insulation, Interior Body – Similar design & type as current Alton A-1 Ambulance

Sound Deadening Insulation, Entrance Doors - Similar design & type as current Alton A-1 Ambulance

**Sub Floor** - Expanded PVC Polymer

### **Front Bulkhead**

Type I, No Walk Thru, Sliding Lexan Window

Climate Control Unit over cab to body passage

Electrical Power Distribution Cabinet, vinyl covered. Flush locking trigger lock latches.

### **Cabinets - Interior**

Right Front Cabinet

Right front upper, ½" Acrylic Doors, one shelf

Right front lower, inside/outside access from compartment door

Right front lower, two adjustable shelves. Shelves to be lined with ribbed rubber mat

Right front cabinet, lower, ½" Acrylic Doors

All to have RF Cabinet Doors - SouthCo Round SS Latches

### **Right Side Interior Wall (Curbside)**

Squad Bench, 1/2 size for two seated positions

Back Rest — Two-piece design with upper and lower pad, no arm rest. Recessed D Oxygen Cylinder Storage in forward end of the squad bench area under the drawers/raised cabinet section (Customer will supply brackets to be mounted by the dealer)

Three Drawer System, built with metal facing attendant on squad bench, Drawers to utilize Southco polished Stainless, Solid Surface Type Counter Top, Silver/Gray color. Dealer to mount current Alton Zoll X Series Monitor Mount.

Right Side Upper Angled 45 degrees for radio faceplate, switch panel located in the angle section squad bench pad, held down with positive hold down device

Trash/Sharps Combo, slide out at head end of squad bench into aisle. Metal Construction.

Rear of squad bench counter top, solid surface type counter top

Cabinet below counter top – Rear of bench (Storage with acrylic doors for IV Warmer w/storage above. Solid Surface Counter top

Overhead Cabinet (Over Squad Bench) - 3 Gloves Box Holders w/Additional Storage for each size & remainder of the cabinet to be storage. Restocking frame to meet current guidelines.

Glove box holder cabinet, acrylic cut out to access three glove boxes, oval cut out window Street Side Cabinets. Must include storage for (3) additional boxes of gloves

CPR Type Seat, Backrest pad, Storage under CPR Seat, positive closing latch

### **Action Area**

Cabinet over Action Area, Re-stocking type acrylic sliding doors Restocking frame to meet current guidelines.

Access door to the Left Front Compartment

Inside/Outside Access to the Right Middle Compartment, Sliding Acrylic Doors

Drawer System, three drawers (Metal Construction, Southco Round Stainless Steel Latches

Solid Surface Type Counter Top, Silver/Gray in Color with recessed sharps container Left Rear Upper Cabinet

Double cabinet w/acrylic door near oxygen access window. Upper for customer supplied med vault. Pre-wire to be completed. Lower section to be same as current Alton A-1 ambulance.

### **Cabinets Rear of CPR Seat**

Full width of rear upper, Re-Stocking Type Door, acrylic sliding doors. Restocking frame to meet current guidelines.

Small cabinet under counter top: Approx. 10" Wide x 10" High x 17" Deep

Solid Surface Type Counter Top, Silver/Gray

### **Right Rear Cabinet**

Inside/Outside Access to Right Rear Compartment, 8" Wide x 40.5" High, Hinged Acrylic Door Head

**Adjustable Lexan Dividers for Interior Cabinets** – 6 dividers to be provided. Customer to determine location. To be mounted on Unistrut.

### **Bumpers**

Side Door Head Bumper - Color keyed to the interior vinyl upholstery

Rear Door Head Bumper -Color keyed to the interior vinyl upholstery

### **Grab Rails**

72" Grab Rail on Ceiling, stainless steel over squad bench & 72" Grab Rail on Ceiling, stainless steel over cot

18" Grab Rail at curbside step area, 45-degree angle 18" Grab Rail at step area

Grab Rail, 45-degree on side entrance door

Grab Rail, spring loaded on rear doors

### **Seat Belts**

Seatbelt in attendant seat

Seatbelt for CPR Seat

Seatbelt for squad bench, two

### **Cot Mounting**

Center mount, Stryker Hardware, must be removable, set up for Stryker Power Pro Stretcher Safety Hook to be installed by the dealer

### **IV Holder, Ceiling**

Two in ceiling, one at head, one at foot end of the vehicle (Rubber IV Holders)

### **Interior Colors**



Ceiling - White

Upper Laminate — Gloss Gray

Lower Laminate — Gloss Gray

Upholstery—Seamless Gray

### **Attendant Seat**

EVS 17703, 3 Point Harness, ABS Back, Swivel, Sewn Vinyl, Center Positioned, Seamless Gray

### **Flooring**

Lonfloor Flecks, smooth surface, Color: Moonstone— Rolled up 3" on side walls

### **Front Console**

Section for Siren & (2) Radio Heads

Map Box Holder, map pocket with two acrylic dividers (Space to be included for two, 3"- 3 ring map binders & a minimum of 3 boxes of exam gloves)

Cup Holders, Two Console mounted with latches that allow the consoled to be removed Miscellaneous Interior

Slot to hold the following: DOT Book, NIOSH Book, Binoculars, IPAD

**IV Warmer**, Smith works Floor Model, 12 VDC located in the cabinet to the rear of the squad bench, under the counter top

### **Oxygen Outlets/System (Amico)**

Action Area —Two

Squad Bench – One

Ceiling — One (With regulator & control on squad bench wall)

Oxygen Solenoid, Amico w/manual override

Oxygen Tank Pressure Gauge, two inch in Action Area

Oxygen Storage - Dual Oxygen Cylinder (Oxygen cylinders to be cascaded together) Holders in Left Front Compartment Regulator & Wrench

**Suction** — Electric, Thomas, switch in Action Area, SSCOR, Regulator Vacuum Outlet w/Diamond Adapter. Electric Control Switch on Streetside. Suction canister to be located out of the head strike area.

### **Electrical System**

**Electrical Warranty** —The Electrical System shall be warranted for the life of the unit, as long as the original purchaser shall own it.

## **Cab Electrical**

Alternator, Dual 220 Amp OEM Dodge, 1460 CCA, Under Hood

One Spare ignition and one compartment key shall be provided, in addition to the Two Supplied by Dodge.

## **Switch Panel**

Voltmeter—Analog, 8-18 volt, lighted

Low Voltage Alarm, Carling Euro Style

Battery On Indicator Light

Warning Indicator, Door Open, Red, Warning Indicator, Compartment Open, Amber

Warning Indicator Alarm, Open Door/Compartment, Audible

Warning Indicator Light/Audible Alarm, Parking Brake "ON"

Throttle, Electronic Dodge OEM (High Idle)

Back-Up Alarm, w/resetting cancel switch

Spotlight, Unity 5", wired direct to console, mounting bracket shipped loose

Warning Light —Whelen LED on Cab Ceiling for Parking Brake, Amber, Graphic to include "Park Brake"  
Load Manager/Sequencer, Kussmaul — Response and scene amps cannot exceed 230 Amp

Full Time Load Management of Emergency Lights

Front Console Switch Panel Backlighting Dimmer

Airhorns — (2) Buell 1062 in bumper valance, 12V w/reserve tank and 1/3 hp Compressor, Reserve Tank  
2800 cu inch capacity

Airhorn Activation — Carling Momentary switch in front switch panel, switch to be white rocker type  
switch

Remote Keyless Entry w/Chassis Power Door Locks, controls OEM doors and module entry doors Power  
Door Lock Concealed Override Switch, front grille area, KKK Compliant

## **Emergency Warning Equipment**

Tomar Traffic Emitter # 3065R, recessed in Module Body, Front, Upper, 7x3 recessed fixture, Tomar  
Emitter to be tied to the sequencer, not the load manager. Tomar Emitter to have its own switch and  
shall deactivate in "Park"

Headlight Flashers – Slow Wig Wag

Siren — Whelen 295SLSA1, Horn/Siren Switch, PA Microphone to be mounted on right side of the  
console

Siren Speakers — Thru Bumper, CPI SAD/P 3807 (2) Dodge D4500

### **Cab Mounted Emergency Lights**

(2) Whelen ION Wide Angle Red Grill LED

(2) Whelen LIN 3 Red Front Fender LED

Module, Front Directionals (Turn Signals) LED - Whelen 600, LED, Amber with Arrow

### **Front Body Warning Lights**

Whelen 900, Super LED, RED, Front Upper Module, 6 Lights (Light Bar)

Whelen 700, Super LED, Red, Front Upper Module, Located under Tomar Traffic Emitter Module Side Warning Lights

Whelen 900, Super LED, RED, Passenger Side (2)

Whelen 900, Super LED, RED, Driver Side (2)

### **Rear of Module Warning Lights**

Whelen 900, Super LED, BLUE, Rear Left Upper (1)

Whelen 900, Super LED, RED, Rear Right Upper (1)

Whelen 900, Super LED, AMBER, Rear Middle (1)

Whelen 700, Super LED, Red at window location, brake light feature (2)

Whelen 700, Super LED, RED over rear wheels (2)

Whelen OS Series LED, Amber, (3) on Curbside Entry Door, flashing when doors is open

Whelen OS Series LED, Red, (6) on Rear Entry Doors, flashing when doors are open

### **Rear Non-Emergency Lights**

Stop & Tail Lights, Whelen M6 Super LED, Clear Lens, Red LED w/Flange

Back Up Lights, Whelen M6 LED, Clear, w/Flange

Directional/Turn Signals, Whelen M6 LED, Amber, populated Arrow, w/Flange

### **Auxiliary Non-Emergency Lights**

Marker/Clearance Lights, HD Mini Oval Marker/Clearance Lights, LED (Front, Rear, Two on sides, to work with directional.

Running Board Lights to illuminate Steps, 4" LED, Recessed

### **Flood Lights**

Drivers Side Scene Lights, (2) Whelen 9x7 LED

Passenger Side Scene Lights, (2) Wheien 9x7 LED, to activate with Side Module Door Open

Rear Scene Lights, (2) Whelen 9x7 LED, to activate with Rear Module Doors Open & Reverse All Lights controlled with switch in panel, front cab area

Rear flood light on each side to activate while vehicle in reverse

(2) Whelen 700 Super LED scene flood light to be located on the 45 degree bezel of the condenser tray. Each light switched in the cab console.

### **Climate Control**

Ventilation, Flow Thru, Two Speed, Cast Products Rear Cowling

Ducted Heater/Air Conditioning, Digital Thermostat for Dodge

Auxiliary Coolant Pump Climate Control System

Condenser mounted on front of body over cab, painted to body color.

Ac/Hear Ducted through the ceiling

### **Ceiling Configuration**

Interior Dome Lights, (10) Whelen 6-Diode LED, Hi & Low

Dome lights switched to High Mode w/Door Open

Dome Light Switch located in switch panel – 3 way switching for dome lights

### **Compartment/Cabinet Lights**

All Compartments shall have 4" Recessed Tec Niq LED E41 Strip Lights. Lights shall be located in the compartment ceiling and Whelen LED Strip light in RF ALS Compartment.

Right Front Compartment— 12" Incandescent Light to illuminate the compartment

Interior Cabinet Lights – 4 interior cabinets to be lighted with TecNiq E41 LEDF Strip Lights

Auxiliary Interior Lighting

Action Area to have a light for illumination Stepwell Light, located at Side Entrance Door Dome Light Timer, located at Side Entrance Door

### **Medical Outlets**

12 VDC at Action Area

12 VDC at Right Front Compartment with Inside/Outside Access

12 VDC at Right Front Upper

12 VDC at Behind Drivers Seat

12 VDC at Front of Squad Bench

12 VDC at Rear of Squad Bench

12 VDC at Right Front Compartment – Middle

12 VDC at Cab Console – Passengers Side

12 VDC at Cab Console – Passengers Side

12 VDC at TBD

### **USB Chargers**

Kussmaul 5 VDC USB installed in cab at switch panel, Powered Hot with module power and shoreline

Kussmaul 5 VDC USB installed in module switch panel, Powered Hot with module power and shoreline

### **Antenna Leads**

Antenna Base mounted on roof (3) Antenna leads w/base cap & end connectors to terminate in the following locations:

Drivers side dash

Action Area

Squad Bench switch panel

### **Radio Power (Gauge, power type, location TBD)**

#1 – Hot, Ground & switched

#2 - Hot, Ground & switched

#3 - Hot, Ground & switched

#4 - Hot, Ground & switched

### **Miscellaneous**

Speakers, Stereo Volume Control, Rear Switch Panel

Clock, 12 Volt, 24 Hour, Digital

Hand Light Pre-wire in Left rear Compartment (2) Lights

12 Volt Hot Power wire, located behind driver's seat, 20 amp

12 Volt Hot Power wire, located behind passenger's seat, 20 amp

2 Volt Hot Power wire, located in front console, 20 amp

### **Back Up Camera**

(3) Camera ASA Voyager System, 7" monitor mounted to rear view mirror location replacement.

Camera locations: Rear of Module, Front Interior Head Bumper, Blind Side Forward Body

### **Electrical 115 VAC**

Shoreline, 20 amp Super Auto Eject, Yellow on driver's side above middle compartment  
Shoreline/Battery Charging Indicator Lights, Amber

Power Distribution Box, 115 V. w/20 amp circuit breaker

Engine Block Heater to shoreline, Switch in Electrical Cabinet — Heater only to be switched on in cold weather

### **Outlet Location 115 VAC**

Action Area

Left Rear counter

Right Front Compartment with Inside/Outside Access (2)

Right Front Compartment, Upper

Behind Passengers Seat

Front of Squad Bench

Rear of squad Bench

**Battery Charger**— IOTA DLS-30, 45 amp (Smart Charge)

**Vanner Inverter**, 20-1000 UL-DC, w/Shore Transfer

**Paint Color** — Cab & Chassis Red (Dodge Flame Red)

### **Lettering, Striping & Chevrons**

Reflective Belt — One 8" Vinyl reflective belt from front of chassis to the rear of the ambulance module, Color: White (Same design & style as current Alton A1 Ambulance)

Rear of Module Chevrons—The rear perimeter to the sides and above the rear doors to be alternating Red & Yellow, 6" Reflective Striping

Reflective Tape Stripe, Red 3/4" on the interior of all module entrance doors and compartment doors

Star of Life, 32" on Roof

Module Windows – Limo Grade Dark Tint

DOT Star of Life package – Delete

"Diesel Fuel Only" Label at Tank Fill Location

Module Height #'s to be installed on the front driver's module corner in reverse to be viewed out of the mirrors. Reflective white, 3" in height

Module Height to be affixed to the OEM Dash area, customer's choice of location. Module height to be on Yellow plastic signage, engraved with module height.

**Vehicle Lettering** – Vehicle lettering to match current Alton A-1 Ambulance

Lettering style, font & type - Vinyl Gold Leaf with black shadow

Alton Fire & Rescue will provide on request JPEG files via email of the current lettering style and font for the bidders

**Radio Mounting** – Ambulance dealer to mount (2) Mobile Radios, dual head radios, Mount/Recess (2) Portable Radio Chargers in cab console, install (2) radio control cables during building process.

**Knox Key Secure** – Ambulance dealer to mount Knox Key Secure in Left Rear Compartment on shelf.

**Fire Extinguisher Brackets** – Ambulance dealer to provide (2) 5 lb Amerex #861 Fire Extinguisher Brackets & install on delivery. Location: TBD

### **Warranty**

Each bidder shall include warranty copies in the proposal, of the following:

Modular Body Warranty

Electrical Warranty

Paint Warranty

**Trade Vehicle** - Freightliner FL60, American LaFrance Ambulance Conversion – Alton Ambulance Two

**Delivery - Delivery of the completed vehicle shall be prior to January 1, 2019.**