

# O'FALLON FIRE PROTECTION DISTRICT



## SPECIFICATIONS FOR BRUSH TRUCK APPARATUS Chassis

**(Ford F-550, Gas Crew Cab, 4x4 with 60" C to A)**

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**To be marked-YES if meets specifications and NO if takes exception.**

## Section 1: Fire Pump.

- 1.00 YES/NO The pump shall be a B2X Mid-range pump, 2 stage centrifugal pump end, pump powered by a V - twin Honda gas engine. It is ideal for dual attack line operation, high volume remote water transfer and structural firefighting.
- 1.01 YES/NO The pump must deliver the percentage of rated capacity at the pressures listed below:  
275 GPM at 50 pounds net pressure  
215 GPM at 100 pounds net pressure  
112 GPM at 150 pounds net pressure
- 1.02 YES/NO The pump shall be capable of taking suction and discharging water with a lift of 10 feet.
- 1.03 YES/NO Priming Pump: A hand primer shall be used. Primer control to be located near the pump.
- 1.04 YES/NO Fire pump engine fuel supply to be from a **3** gallon fuel tank.
- 1.05 YES/NO Pump Casing Construction: The impeller assembly case shall be vertically split for accessibility. The pump case shall be line bored to provide perfect alignment and fit of all parts.
- 1.06 YES/NO The pump shall have a mechanical shaft seal.
- 1.07 YES/NO Impellers: The impellers are to be high strength bronze alloy accurately balanced and splined to impeller shaft for precision fit and durability. Impeller seal rings are to be wrap-a-round renewable labyrinth type. Seal rings are to be one piece, all bronze fitted.

## Section 2: Gated: Suction Inlets, Discharges, & Preconnects.

- 2.00 YES/NO All quarter turn valves shall be a fire fighting/ repairable brand and be full flow. Each valve shall be plumbed with high pressure hose with stainless steel fittings.
- 2.01 YES/NO **Gated Discharge Outlets.**
- 2.02 YES/NO 1 1" gated discharge outlet to hose reel.
- 2.03 YES/NO 1 1" refill / re-circulate line to booster tank.
- 2.04 YES/NO 1 2 1/2" gated rear discharge outlet for direct connection.
- 2.05 YES/NO A stainless steel manifold system shall be installed for discharges.
- 2.06 YES/NO 1 3/4" garden hose fitting on manifold with 1/4 turn valve.
- 2.07 YES/NO **Gated Intake Inlets**
- 2.08 YES/NO 1 2" gated tank to pump valve.
- 2.09 YES/NO 1 2 1/2" gated intake w/ cap.

- 2.10 YES/NO **Foam System**
- 2.11 YES/NO A Class "A" around the pump foam system shall be installed.  
Make:   Scotty   Model:   4072    
  
Location:   to all discharges
- 2.12 YES/NO One foam tank with a   5   gallon capacity will be provided and made of   Polypropylene  . It shall have a 4" diameter minimum fill tower, a 1" drain with drain lines that extend below the chassis frame. It shall be marked "CLASS A FOAM".  
**Note:** Built in integral to booster tank:-  
**Note:** Built in sight glass included.
- 2.13 YES/NO **Reel**
- 2.14 YES/NO   1   electric rewind booster hose reel with a reel capacity of 150 feet of   1   inch 300 # test booster lite hose, Located: at the   rear driver's   side of the apparatus.
- 2.15 YES/NO Reel rewind button to be located near the hose reel in a convenient location per manufacturer.
- 2.16 YES/NO 100 feet of   1   inch 300 # test booster lite hose to be included with   each reel  . **Note:** Hose shall be in 50' sections for ease of replacement if damaged.
- 2.17 YES/NO   1   set of vertical and horizontal chrome hose roller   guides  . Located:   high on reel  .

### Section 3: Booster Tank Valves & Piping

- 3.00 YES/NO Two inch (2") ball valve and piping to be connected with flexible hose from tank to pump. Valve to have control on the valve near pump operator.
- 3.01 YES/NO 1 " booster tank refill ball valve and piping with flexible hose from pump to tank. Valve to have control on the valve near pump operator.

### Section 4: Booster Tank -POLY (LIFETIME WARRANTY)

- 4.00 YES/NO Booster tank shall be constructed of ½" Poly sheets. This material shall be a non-corrosive product, black in color, and UV stabilized for maximum protection.  
**LIFETIME WARRANTY**   Make     G3
- 4.01 YES/NO There shall be a 1" **FNPT** female tank drain located on the rear tank wall, with a removable plug.
- 4.02 YES/NO All tanks shall have an anti-swirl plate above the sump. The sump shall be recessed into the tank floor and be a minimum of ¼" deep.
- 4.03 YES/NO Booster tank shall have a capacity of   300   Gallons.

- |      |        |  |
|------|--------|--|
| 4.04 | YES/NO | Booster tank shall be a shape and design to allow for maximum compartmentation.                                |
| 4.05 | YES/NO | The booster tank baffling system shall meet N.F.P.A. standards.  |
| 4.06 | YES/NO | Booster tank shall have a removable lid.   |
| 4.07 | YES/NO | The booster tank shall be equipped with a built in water and foam level sight glass facing the rear pump side. |
| 4.08 | YES/NO | Water and foam fill towers shall be located at the rear of the tank.   |

**Section 5: Instrument Panel**

- |      |        |  |
|------|--------|--|
| 5.00 | YES/NO | <b>Discharge pressure gauge.</b>               |
| 5.01 | YES/NO | _1_ gauge provided for the discharge manifold. |

**Section 6: Apparatus Body & Components**

- |      |               |  |
|------|---------------|--|
| 6.00 | YES/NO        | Complete, aluminum apparatus body, to be module in construction and built separately from chassis. After complete construction of body, it shall be properly fastened to the steel chassis frame with u- bolts. Body shall be approximately 120" long and 96" wide.<br>The Apparatus Body shall have a FIVE (5) YEAR WARRANTY.   |
| 6.01 | YES/NO        | Quick Attack body shall have a headache rack built between the upper coffin compartments and be raised high enough so that the light bar is above the coffin compartment handles.  |
| 6.02 | <b>YES/NO</b> | Aluminum Bodies shall be constructed with Extrusions for framing purposes. Smooth Sheets shall be used for basic construction, and Aluminum Treadplate shall be used for walkways, high maintenance areas, and for decorative purposes. The Extrusions alloy shall be 6061 with a temper rating of T6. Extrusions shall have a tensile strength of 45,000 PSI and a yield strength of 40,000 lbs. The extrusions are to be used in general framing, in both the pump compartment, and the body itself. The extrusions are to include 3" tubing with a 3/16" radius on the corners.<br><br>The smooth aluminum sheets shall be 1/8" thick aluminum, alloy to be 5052 with a temper strength rating of H32. This alloy to have a minimum tensile strength of 33,000 psi and a yield strength of 28,000 lbs. This alloy gives excellent formability without sacrificing strength and is to be used in compartment and door construction. Aluminum Treadplate is to be 1/8" thick and be a 3003 alloy with a temper strength rating of H22. This alloy is to have a minimum tensile strength of 30,000 psi and a yield strength of 28,000 lbs. Treadplate is to be used in all compartment floors. These three alloys are to be welded together using the latest Mig Spray Pulse Arc welding system. |

6.03 YES/NO The front of the apparatus body shall be fabricated with aluminum diamond treadplate gravel shield, to aid in protecting the body from debris that may cause damage to the body.

### Section 7: Apparatus Body Compartments

7.00 YES/NO Compartments to be sweep out design and to be water and dust proof. All compartments shall be made to the maximum practical dimensions to provide maximum storage capacity.

7.01 YES/NO Body compartments shall be fabricated of smooth aluminum and painted to match chassis.

7.02 YES/NO Side body compartment doors shall be swing-out or lift-up in style and fabricated from smooth aluminum and painted to match the chassis.

7.03 YES/NO All compartments shall be properly vented. The vents shall be constructed of stainless and be mounted in a manner that will reduce the amount of dirt and water that may enter the compartment. The vents shall aid in relieving the pressure when opening and closing the compartment door.

7.04 YES/NO All exterior compartments shall have an aluminum drip molding installed above the doors, when necessary, to prevent water from entering into compartments.

7.05 YES/NO All compartment floors and shelves shall have black modular floor tiles installed.

7.06 YES/NO **Left Side Compartments**

7.07 YES/NO **Compartment Ahead of Rear Wheels (L-1)**

7.08 YES/NO High compartment extending in depth to the right side with a single Swing Out door. Approximately 30" W x 56" T. This compartment shall be **TRANSVERSE** to the Right side.

7.09 YES/NO 1 1200lb bi-directional pull out tray.

7.10 YES/NO **Compartment Above Rear Wheels (L-2)**

7.11 YES/NO High compartment extending in depth to tank with a single Lift-Up door. Approximately 56" W x 23" T x 22" D.

7.12 YES/NO 1 Pac tool boards mounted on the back wall of the compartment.

7.13 YES/NO **Compartment Behind Rear Wheels (L-3)**

7.14 YES/NO Low compartment extending in depth to chassis frame with Single vertically hinged Swing-Out door. Approximately 24" T x 30" W x 22" D.

- 7.15 YES/NO **Upper Coffin Compartment**
- 7.16 YES/NO This compartment is to be above the driver side L1 and L2 Compartments. It shall be fabricated from 1/8" smooth aluminum on 4 sides and painted to match the chassis. There shall be a hinge diamond treadplate lid on top of the coffin compartment. The enclosed compartment shall be approx. 10" T x 19" W x 92" L.
- Note:** This compartment is designed to hold at least 100' of 1 ½" DJ fire hose.
- 7.17 YES/NO **Right Side Compartments**
- 7.18 YES/NO **Compartment Ahead of Rear Wheels (R-1)**
- 7.19 YES/NO Full height compartment extending in depth to the left side with a single Swing Out door. Approximately 30" W x 56" T. This compartment shall be **TRANSVERSE** to the Left side.
- 7.20 YES/NO 1 1200lb bi-directional pull out tray. Same as noted in line 7.09.
- 7.21 YES/NO **Compartment Above Rear Wheels (R-2)**
- 7.22 YES/NO High compartment extending in depth to tank with a single Lift-Up door. Approximately 56" W x 23" T x 22" D.
- 7.23 YES/NO 1 Pac tool board mounted on the back wall of the compartment.
- 7.24 YES/NO **Compartment Behind Rear Wheels (R-3)**
- 7.25 YES/NO High compartment extending in depth to tank with a single Swing-Out door. Approximately 24" W x 23" T x 22" D.
- 7.26 YES/NO 1 Pac tool board mounted to the back wall of the compartment.
- 7.27 YES/NO **Upper Coffin Compartment**
- 7.28 YES/NO This compartment is to be above the passenger side R1 and R2 compartments. It shall be fabricated from 1/8" smooth aluminum on all sides and painted to match the chassis. The compartment shall have 2 hinged diamond treadplate lids on top with a single grab handle on each. The enclosed compartment shall be approx. 10" T x 19.5" W x 116" L.
- Note:** Compartment to be split 74"/42" with the larger portion to the rear of the body. This compartment is designed to hold the departments (2) back boards.
- 7.29 YES/NO 2 SCBA Bottle compartments shall be installed on the passenger side of the apparatus, (1) each side of the wheel well.
- 7.30 YES/NO **Rear Under Body Compartments**

- 7.31 YES/NO \_1\_ compartment extending from rear to the front of bed shall be fabricated of 1/4" smooth aluminum. It shall be below the bed and above the frame rail of chassis. It shall have a flip down aluminum door with chevron striping. Approx: 9" Tall x Full length of the body x 34" Wide.
- 7.32 YES/NO \_1\_ poly slide out tray, completely removable with one full length divider to separate hard suction hose from long handled tools. The poly tray shall have 3 dividers that are adjustable from front to rear in 12" increments.

**Note:** The poly tray has no rollers, it is designed to slide on the compartment floor. There shall be handles on the front face and sides of the tray to completely remove the tray with ease.

**Section 8: Tread bright overlay, & Trim.**

- 8.00 YES/NO Aluminum tread brite safety trim plate shall be constructed of 6061-T6 1/8" Aluminum, and shall be installed in the following areas.
- 8.01 YES/NO Tops of all side compartments
- 8.02 YES/NO Top of the tank, bolted to Unistrut.
- 8.03 YES/NO Floor in the rear pump area.
- 8.04 YES/NO Front body panel/ gravel shield

**Non-slip Running Boards and Rear step.**

- 8.05 YES/NO All exterior surfaces designated as stepping, standing, and walking areas shall have aluminum non-slip material installed. The non-slip material shall have a raised serrated surface that will allow moisture to drain out either side. The recessed surface shall be one-piece solid material to prevent road spray and debris from entering the top surface from below. The non-slip material shall be applied in the stepping surface of The following areas: (NFPA 13-7.3)
- 8.06 YES/NO Apparatus body rear step shall be constructed with the non-slip aluminum treadplate.
- 8.07 YES/NO There shall be (1) vertical grab rail located at the rear, to aid in accessing the top of the apparatus
- 8.08 YES There shall be \_1\_ large fold-down step, mounted to the rear of the apparatus wall on the passenger side
- 8.09 YES/NO There shall be \_2\_ Zico pull-out drop-down steps at the rear of the apparatus, mounted under the rear step on the passenger side.

**Section 9: Electrical Equipment & Battery System**

- 9.00 YES/NO One rear 6" oval LED stop light on each side.

9.01	<b>YES/NO</b>	One rear 6" oval LED turn signal light on each side.
9.02	<b>YES/NO</b>	One rear 6" oval LED backup light on each side.
9.03	<b>YES/NO</b>	LED - Clearance lights and reflectors to comply with I.C.C. regulations.
9.04	<b>YES/NO</b>	<p><u>  2  </u> LED strip lights in each upper side compartment and activated by an automatic door switch. They shall be vertically mounted on the inside (1) on each side of the door opening.</p> <p><u>  1  </u> LED strip light mounted in each lower side compartment and activated by an automatic door switch. They shall be vertically mounted on the inside of the door opening.</p> <p><u>  1  </u> LED strip light in each upper coffin compartment and activated by an automatic door switch. They shall be horizontally mounted on the inside of the door opening on the hinge side.</p>
9.05	<b>YES/NO</b>	<u>  1  </u> Class One - Intelli-tank water tank level gauge, which utilizes a pressure transducer ILO of probes to provide nine levels of indication, provided (1) near pump controls.
9.06	<b>YES/NO</b>	<u>  1  </u> Class One Mini water level gauge provided. Located inside the cab.
9.07	<b>YES/NO</b>	A flashing red warning light on the cab electrical module Marked "Do Not Move Apparatus When Light Is On" illuminates automatically when the parking brake is not engaged to indicate when passenger or equipment doors are open.
9.08	<b>YES/NO</b>	All electrical equipment to have resetting circuit breakers mounted in a panel box with each circuit labeled.
9.09	<b>YES/NO</b>	Wiring shall be high temperature, copper, multi-strand SXL crosslink coated wire. Wire shall be function coded every 3 inches for ease of maintenance.
9.10	<b>YES/NO</b>	All wiring to be protected with automotive type loom with a temperature rating of -30 degree to +194 degree Fahrenheit. Grommets shall be used when wiring through body.
9.11	<b>YES/NO</b>	Master battery disconnect shall be a Cole Hersey manually operated, single battery system per NFPA. (This does not apply to chassis factory power). Located on the center console.
9.12	<b>YES/NO</b>	The master electrical module shall be in the console between the front seats and shall have all master switches, emergency light switches and gauges. Switches shall be integrated with the Pathfinder Siren controller and shall have a light indicating when on and will be identified by back-lit tags.



- 9.13 YES/NO A Kussmaul auto charge 1000 series battery conditioner, model 091-215-12, with a model 091-199-001 remote digital display shall be installed. The charger shall be mounted in a clean dry area and will be accessible for service and / or maintenance, the digital display shall be located on the driver's side in front of the rear wheel well.
- 9.14 YES/NO A Kussmaul Super Auto Eject, Model 091-55-15-120, 15-amp automotive disconnect device provided and installed on the 110 volt shoreline connection complete with a yellow weatherproof cover. It shall be activated by the chassis starter switch to disconnect the plug, and completely sealed to prevent contamination from weather and road conditions.
- Note:** Plug shall be located on the driver's side in front of the rear wheel well.
- 9.15 YES/NO A keyless ignition or ignition key attached to the dash by a chain shall be provided.
- 9.16 YES/NO A green "Battery On" light to be provided on the chassis dash.
- 9.17 YES/NO A license plate light to be provided on the rear of the apparatus body.
- 9.18 YES/NO One (1) 6-Plug power strip mounted high on the front inside wall of the R1/L1 transverse compartment. Power supply shall be 110V.
- 9.19 **YES/NO** One (1) 6-Plug power strip mounted on the inside wall of the L2 compartment. Power supply shall be 110V.
- 9.20 YES/NO One (1) 6-Plug power strip mounted on the inside wall of the R2 compartment. Power supply shall be 110V.
- 9.21 **YES/NO** One (1) Four-plex outlet mounted in the R-3 compartment. Power supply shall be 110V.

### **Section 10: Emergency Signal & Lighting Equipment**

- 10.00 YES/NO Electronic Siren with microphone:  
Make:   Federal Signal   Model:   PF200R   Watts:   200
- 10.01 YES/NO Electronic Speaker mounted in chassis cab grille or front bumper area, 100 watts.
- 10.02 YES/NO One (1) Federal Signal Electronic Q-Siren mounted in chassis cab grill or front bumper area. Model EQ28
- 10.03 YES/NO Lighting for upper zones A, B, C & D.   1   Brand: Federal Signal Model: Allegiant Discrete, ALGT53D-NFPA2 - 53" LED, low profile light bar with R/C/R with RED LED across the rear of the light bar. Lightbar shall have front take downs and alley lights. Mounted on the headache rack bracket.

**Zone B:** \_2\_ Federal Signal Model: Fire Ray 9"x7" Red/Blue LED warning lights with clear lens and black bezels shall be mounted on upper side of the body model: FR9C2-RB, \_2\_ FireTech Guardian Elite HiViz flush mount scene lights with black bezels model: FT-GESM-B

**Zone C:** \_2\_ Federal Signal Model: Fire Ray 9"x7" Red/Blue LED warning lights with clear lens and black bezels shall be mounted on upper rear of the body, model: FR9C2-RB \_2\_ FireTech Guardian Elite HiViz flush mount scene lights with black bezels model: FT-GESM-B

**Zone D:** \_2\_ Federal Signal Model: Fire Ray 9"x7" Red/Blue LED warning lights with clear lens and black bezels shall be mounted on upper side of the body model: FR9C2-RB \_2\_ FireTech Guardian Elite HiViz flush mount scene lights with black bezels model: FT-GESM-B

10.04 YES/NO Lighting for lower zones, A.B.C &D: Brand: Federal Signal Model: MicroPulse Ultra 12-LED with clear lenses and black bezels. All light heads to be 2-color red/blue.

**Zone A:** \_2\_ - mounted on front grill/brush guard, (1) Red/Blue on the driver's side and (1) Red/Blue on the passenger's side.

**Zone B:** \_2\_ (1) Red/Blue mounted forward on front side fenders of chassis and (1) Red/Blue mounted above rear wheel well.

**Zone C:** \_2\_ mounted on lower rear of apparatus body, (1) Red/Blue on the driver's side and (1) Red/Blue on the passenger's side.

**Zone D:** \_2\_ (1) Red/Blue mounted forward on front side fenders of chassis and (1) Red/Blue mounted above rear wheel well.

10.05 YES/NO **Scene Lights**

10.06 YES/NO FireTech Guardian Elite flush mount HiViz scene lights with black bezels, model: FT-GESM-B as noted in Section 10.03 Labeled RIGHT SCENE, REAR SCENE & LEFT SCENE.

**Note: Rear scene lights shall also be activated when transmission is placed in reverse.**

10.07 YES/NO Six (6) LED ground lights shall be mounted and activated when the vehicle is placed in park.

- \_4\_ below the cab doors (2) on each side

- 2   below the rear tailboard.
- 10.08      YES/NO        1   LED work light, mounted on the rear of the apparatus to illuminate the pump area. Light shall be activated by a switch on the pump panel.
- 10.09      YES/NO        1   Code 3, Model CW3225 25" Spot/Flood off road utility light bar mounted to the front bumper of the chassis. To be controlled with a switch in cab center console.
- 10.10      YES/NO        1   CN SignalMaster 8-head traffic advisor mounted to the rear of the tank in a G-3 Poly mounting bracket. CN SignalMaster shall be dual red/amber LEDs with ability to flash all red with warning lighting or be used as a traffic advisor. Control head shall be in the cab. Dimensions: 1.7" x 31.2" x 3.3".
- 10.11      YES/NO        1   FRC True Sight, Model BCA111-A00 backup camera System with colored rear camera mounted on the rear of the apparatus, with a 7" color screen provided in chassis cab
- 10.12      **YES/NO**      A 12 volt solid state backup alarm with a minimum rating of 97 decibels to be installed.

**Section 11: Painting, Printing, Decorating, Lettering, & Signs.**

- 11.00      YES/NO      The body subframe shall be undercoated with a heavy duty automotive type undercoating before the rubber backing and the compartment are bolted on. After the body has been bolted onto the subframe and all final.
- Items have been installed the body shall be undercoated in the same manner.
- 11.01      YES/NO      The interior of the body compartments, with the exception of the floors, shall be finish painted with a light-colored splatter type scuff-resistant paint for durability and ease of touch-up.
- 11.02      YES/NO      The compartment inner door panels shall be DA sanded.
- 11.03      YES/NO      All other metal surfaces shall be thoroughly cleaned with grease cutting agent and metal phosphate before primer is applied. All flanges on body which cannot be painted after assembly shall be primed and painted before assembly.
- 11.04      YES/NO      Paint Process
- Apparatus body washed with grease cutting solvents prior to sanding
  - Minor imperfections on the body filled, and entire body is sanded
  - Body washed again to remove contaminants.
  - 1<sup>st</sup> coat- self etching primer for maximum paint adhesion to the metal body
  -

- 2<sup>nd</sup> and 3<sup>rd</sup> coat- acrylic urethane primer surface which is hand sanded with 600 grit sandpaper to insure maximum paint gloss.
- 3 coats of Acrylic Urethane two-component color.
- Painted finish is then properly cured and insures a **5-year paint warranty.**

11.05	YES/NO	Apparatus body to be painted red, to match the chassis paint.  Note: (1)- 2oz bottle of touch-up paint shall be supplied with the completed truck.
11.06	YES/NO	Shaded and outlined gold leaf mylar letters shall be applied on the cab and body as directed in Section 11.09.
11.07	YES/NO	Chevron style 6" striping installed on at least 50% of the rear face of the body. Color to be Black and Red applied upward at a 45 degree angle, pointing at the center.
11.08	YES/NO	A Scotchlite reflective stripe with a 1"- 4"- 1" to be reflective black in color. It shall be installed in a straight line on the right and left sides of the chassis cab and an angle on R1/L1 doors.
11.09	YES/NO	Lettering shall be as follows: <b>TBD</b> _____ (Not to exceed 50 - 4" letters):
11.10	YES/NO	A permanent plate shall be installed in the driver's compartment specifying the maximum number of personnel the vehicle is designed to carry per NFPA standards. It shall be located in an area visible to the driver.
11.11	YES/NO	An accident prevention sign stating "DANGER", personnel must be seated, and seat belts must be fastened while vehicle is in motion, or "DEATH OR SERIOUS INJURY MAY RESULT" shall be provided. It shall be visible from each seating position.
11.12	YES/NO	An accident prevention sign stating "DANGER", do not ride on rear step while vehicle is in motion. "DEATH OR SERIOUS INJURY MAY RESULT" shall be provided. It shall be visible from the rear step area of the vehicle.
11.13	YES/NO	A permanent fluid plate, specifying the quantity and type of the following fluids that may be used in the apparatus for normal maintenance. Located in the chassis cab. <ul style="list-style-type: none"> <li>• <b>ENGINE OIL</b></li> <li>• <b>ENGINE COOLANT</b></li> <li>• <b>CHASSIS TRANSMISSION FLUID</b></li> <li>• <b>POWER STEERING FLUID</b></li> <li>• <b>DRIVE AXLE LUBRICATION FLUID</b></li> <li>• <b>PAINT COLOR NUMBER</b></li> </ul>

Any other applicable fluids or data as required.

**Section 12: Chassis Modification & Miscellaneous:**

12.00	YES	<p>There shall be a custom designed poly console located between the front seats, it shall be designed to hold, if applicable, the items listed below.</p> <ul style="list-style-type: none"> <li>• All vehicle warning light switches, terminations, and relays</li> <li>• Master power switch termination</li> <li>• Apparatus fuses and circuit breakers</li> <li>• <u>  2  </u> USB charging ports. <u>  2  </u> 12-volt power ports</li> <li>• Siren and traffic controllers</li> <li>• Space for radio</li> <li>• 6" Map box.</li> <li>• Four (4) cup holders (<b>2 front, 2 rear</b>)</li> <li>• Mini Water level gauge</li> </ul>
12.01	YES/NO	Rear mud flaps shall be installed on the apparatus.
12.02	YES/NO	<u>  2  </u> rear tow eyes, mounted direct to chassis frame rail.
12.03	YES/NO	<p>Chassis Wheels and Tires Conversion,</p> <ul style="list-style-type: none"> <li>• <u>  4  </u> 20" x 11" one-piece steel powder coated wheels, DOT approved and rated.</li> <li>• <u>  4  </u> - 41" diameter, 335 x 80 R - 20 on/off highway, 6700 lb. capacity each</li> <li>• <u>  2  </u> Custom Designed, over-sized, fender flares</li> <li>• 3.5" suspension lift on the front and rear</li> <li>• Dual Steering Stabilizer</li> <li>• Speedometer Calibration Module</li> </ul> <p>Undercarriage protection skid pans constructed of heavy duty aluminum</p> <ul style="list-style-type: none"> <li>• <u>  1  </u> Radiator Skid Plate</li> <li>• =1= Transmission skid plate</li> <li>• <u>  1  </u> Transfer case skid plate</li> <li>• <u>  1  </u> Set of customized running boards</li> <li>• <u>  1  </u> Customized grill/ brush guard. (<b>Winch ready</b>)</li> </ul>
12.04	YES/NO	There shall be a Warn M12000, 12000 lb. stationary mounted winch, installed in the custom front bumper replacement. It shall include synthetic rope, wireless remote control, and rollers.
12.05	YES/NO	Rear SCBA seat in the cab with Lock-n-load brackets. Between the two SCBA seats there shall be custom poly shelving to hold oxygen and a jump bag. Size and layout to be determined during pre-construction.
12.06	YES/NO	2" Rear receiver hitch with 7-pin wiring harness below the rear tailboard.
12.07	YES/NO	<u>  1  </u> Trailer Brake Controller supplied by chassis manufacturer