



Wednesday
September 9, 2024
7:00 pm

Town of Southwest Ranches Fire Advisory Board Meeting Agenda

Town Hall
13400 Griffin Road
Southwest Ranches, FL 33330-2628

Board Members

Mike Fisikelli
Jeff Kastner
Jeff Strickland
Tina Spires
Vince Lombardi

At Large:

Matthew Amundson

Council Liaison

Bob Hartmann

Staff Liaison

Richard Strum

- A. ROLL CALL**
- B. PLEDGE OF ALLEGIANCE**
- C. AGENDA AS FOLLOWS**
 - a. Approval of Minutes**
- D. NEW BUSINESS**
- E. OLD BUSINESS**
 - a. Discussion on Possible Purchase of 2024 Dodge Brush Truck**
 - b. Land for Fire Rescue Station/Emerg Op Center (Time Permitting)**
- F. ITEMS FOR NEXT MEETING**
- G. BOARD MEMBER COMMENTS**
- H. STAFF COMMENTS**
- I. PUBLIC COMMENTS**
- J. ADJOURNMENT**

PURSUANT TO FLORIDA STATUTES 286.0105, THE TOWN HEREBY ADVISES THE PUBLIC THAT IF A PERSON DECIDES TO APPEAL ANY DECISION MADE BY THIS BOARD OR COMMITTEE WITH RESPECT TO ANY MATTER CONSIDERED AT ITS MEETING OR HEARING, HE OR SHE WILL NEED A RECORD OF THE PROCEEDINGS, AND THAT FOR SUCH PURPOSE, THE AFFECTED PERSON MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDING IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. THIS NOTICE DOES NOT CONSTITUTE CONSENT BY THE TOWN FOR THE INTRODUCTION OR ADMISSION OF OTHERWISE INADMISSIBLE OR IRRELEVANT EVIDENCE, NOR DOES IT AUTHORIZE CHALLENGES OR APPEALS NOT OTHERWISE ALLOWED BY LAW.



PROPOSAL

2022 DODGE RAM 5500 4X4 REBEL BRUSH TRUCK NEW BUILD V03

Prepared For:

FireFleet LLC
15410 US Hwy 231
Union Grove, AL 35175
Attn: James Wessel
Email: jwessel@firetruckmall.com

Prepared By:

REBEL Strike
Henderson, NV 89074
RebelBrushTrucks.com

***REBEL BRUSH TRUCKS DELIVER AWESOME PERFORMANCE
IN EVERY APPLICATION. FROM RAPID RESPONSE TO
RUGGED TERRAIN, WE'VE GOT YA COVERED!***

REBEL brush trucks are the perfect solution for your department's wildland and rapid response needs. Our nation's largest fire departments trust their *REBELS* to perform in the most extreme situations year after year. When you choose *REBEL*, you get a solid brush truck that goes where Class A pumper just can't, and for a fraction of the price!

HOW IT WORKS

Customize Your Truck: We work with you to customize your truck to meet the specific needs of your department.

EVTs Build Your Truck: Our certified EVT's build your truck at our facility. Your Project Coordinator will be in constant contact to keep you current with the build progress of your *REBEL*.

Final Inspection & Delivery: Your team will visit our facility near Las Vegas to inspect your finished *REBEL*. We review the project scope together to ensure you are fully satisfied with the build. Your *REBEL* will be driven to your station or delivered via heavy hauler.

Ongoing Support: You can count on REBEL Strike for support before, during and after the project. Every *REBEL* comes with a one-year warranty and any issues you may have will be immediately addressed by our support team.

WHY CHOOSE REBEL BRUSH TRUCKS?

Best Price

You get the most value for your money when you choose REBEL for your brush truck needs. Our goal is to have an ongoing relationship with your department, so we always give you the best price.

Specialized Facilities

Our facilities are specially designed for emergency vehicle builds and upfits which results in higher quality, faster turnaround, and lower costs for our customers.

Top Equipment Brands

We're partnered with all the industry leading equipment brands. The equipment on your *REBEL* will be top of the line!

Best Warranty

Your *REBEL* comes with an industry leading one-year warranty. In addition, all warranties offered by the manufacturers of new components are extended to you. Our nationwide service capabilities ensure any warranty claims you may have will be addressed asap.

WHAT CUSTOMERS ARE SAYING

Scott Schuster

North Las Vegas Fire Department



"The product they provide is high quality and built to last. Every employee from their top management staff all the way down to their team building your unit is very supportive, educated, and informative. The TEAM keeps you informed on your build process and ensures that you are well involved in the build process from start to finish."

Braxton Bittner

Pinto Valley Mine Rescue



"From the moment I first emailed the company inquiring about a brush truck build, I was met with nothing but professionalism. They ensured that what I was envisioning in my mind about the truck I needed built was the truck that they would deliver as a finished product. Their communication about the build was always accurate and reliable. I received weekly progress photos of the build and knew exactly where the truck was in terms of completion. For the final product, it met and exceeded my expectations and the build quality from the engine bed, lights, down to the tires and suspension is all

professionally installed with no flaws. The company is very impressive with the products and services they offer and provide. Great company to be partners with and have as a resource."

Rusty Coleman

Northstar Fire Department



"The mechanic team was professional and skilled. All of us who attended the final commented on how the mechanics all showed so much pride in their work. This definitely left us feeling good about the project. We are very happy with the experience and would use your company again."

Clair Provost

Wasatch Fire District



"Our experience with everyone was exceptional. Their customer service was exactly what you would expect for an A + business, as well as taking care of the equipment. When we were at their facility we were treated like family. Thank you!"



AIG Private Client Group-2022 Dodge RAM 5500 Rebel
ATX Brush Truck New Build VIN:
UNIT2586-NEWBUILD

Quote: 11784 (3)
Estimate: 001342
Quote Date: 07/18/2022
Expires: 10/16/2022

CONDITION & SCOPE

50.01 General Information

The proposed apparatus will be constructed to withstand severe and continuous circumstances encountered during emergency firefighting operations. The apparatus shall be designed and constructed with consideration to the nature and distribution of the load to be sustained. This proposal details the general design criteria of the cab and chassis, fire body, fire pump, water tank, electrical components, paint and graphics, and equipment. All proposed items shall conform to NFPA 1906, latest edition. The Seller shall furnish satisfactory evidence of the ability to construct, supply service parts, and technical assistance for the proposed apparatus.

CHASSIS

51.01 Seller Provided Chassis

The Seller shall provide the following chassis:
2022 Dodge RAM 5500 Cab/Chassis, Crew Cab, 60" CA, 4X4, Diesel, OEM Red

Package:

173.4" WB
6.7L I6 Cummins Turbo Diesel Engine
6-Spd Auto Aisin AS69RC HD Trans

Paint/Seat/Trim:

Flame Red Clear Coat
Monotone Paint
HD Vinyl 40/20/40 Split Bench Seat
Black/Diesel Gray

Options:

ParkView Rear Back-up Camera
Front Fog Lamps
Remote Keyless Entry
Elec Shift-On-The-Fly Transfer Case
Mopar Front & Rear Rubber Floor Mats
Chrome Appearance Group
Manual DPF Regeneration
Electrical Accessory Group

51.11 Nerf Bars

Two (2) 3" black nerf bars shall be installed on the chassis.

51.13 Chassis Protection

Air Intake Ember Guards: The chassis air intake and cabin air filter shall be protected by an ember guard of 18 Mesh, 0.017-inch wire diameter, and a maximum mesh opening of 0.039 inches. The ember guard shall be sized to fit and located at the intake opening. The screen shall be readily accessible for inspection and maintenance.

Fuel Line & Harness Protection: Any fuel lines or electrical harnesses below the chassis frame rails shall be protected with a fireproof sleeve.

BODY & ACCESSORIES

52.02 Fire Apparatus Body REBEL ATX

Body Mounting: Rubber Rail Cushion shall be 1" X 4" X 11" with a 65-durometer hardness rating. Attached cushion to the frame with 12 countersunk bolts 2.50" x 0.375" NC washers and Nylocks. A four position (2 springs each) springer body mounting system shall be used to mount the platform to the chassis. This system shall be designed to allow independent movement between the platform frame and the chassis frame protecting the module from the stresses and twisting rendered by the flexing of the chassis frame. The 2-spring top modules will be attached to the platform long sill with an electrolysis/corrosion barrier. The spring collapse shall be rated at 1250-lbs and 2" of collapse travel. All of the mounting hardware (nuts, bolts, washers) required for complete body installation shall be Grade 8. All nuts shall be self-locking style. All mounting components shall be painted black.

Flatbed Construction: The apparatus body shall consist of a flatbed aluminum construction with overall dimensions of approximately 96" W X 111" L. The body shall be flat with +/- 0.125" deviation over the entire length or width and shall be square with 0.125" or less offset from the opposite parallel side.

Long Sills (LS): Two (2) Long Sills shall run full length in alignment with and perpendicular to the chassis frame rails. LS on bodies shall be rectangular c-channel aluminum alloy 4" H X 2" W X 0.25" wall thickness material.

Cross Sill Member (CSM): CSM on bodies shall be rectangular C-channel aluminum alloy 4" H X 1.50" W X 0.18" wall thickness material. CSM shall be located on maximum 12" centers. CSM to LS welds shall be 100% of the length of the contact edges on two opposing sides of the LS.

Outer Rail: The outer rail shall be rectangular C-channel aluminum alloy 6" tall X 1.90" wide minimum 0.20" wall thickness material. The outer rail shall form the complete bed perimeter without any open or offset seams. The outer rail shall consist of square rear corners.

Platform Deck: The platform deck shall be constructed of 0.125" marine grade aluminum diamond plate. Decking shall be interior perimeter welded to the outer rail, and 6-12 intermittently along the cross sills.

52.02 (CONTINUED) Fire Apparatus Body REBEL ATX

Rear Cab Protection (RCP): One (1) RCP headboard shall be fabricated and installed at the forward end of the apparatus body, directly behind the cab. The RCP frame perimeter shall be rectangular C-channel aluminum alloy 4" tall X 1.5" wide minimum 0.18" wall thickness material. The material will be tapered in a similar fashion to the shape of the chassis cab. One horizontal cross-member located at approximately 0.33" height with 0.125" aluminum diamond tread plate shall be perimeter welded with the tread plate surface forward to the rearward side of the framework on the lower segment. The upper segment shall include a protective framework of 1" X 1" tubing effectively safeguarding the rear window of the chassis cab. The unit shall be attached by a welded rearward gusset and to the lower frame itself by grade 5 bolts. The unit also has twin light bar perches on the top of the bar for easy mounting of emergency light products.

Tailboard: The tailboard shall consist of a framed tail apron integrated with the platform. The apron frame shall be rectangular C-channel aluminum alloy 3" tall X 1.40" wide minimum 0.17" wall thickness material. The interior flat surface of the apron shall consist of 0.125" aluminum diamond plate with the smooth surface to the inside. The tailboard shall finish with the outside edge of the apron frame even with the corners of the platform. The apron shall house all referenced lighting, steps, and draft tube storage. The apron shall be sufficient in design to grant a departure angle of 24 degrees. The completed tailboard assembly shall meet all other requirements of NFPA 1906 for angle of departure.

Fuel Tank Filler: The fuel filler-neck and urea filler-neck bezels shall be incorporated into the bed channel outer rail unless using an OEM standalone system. Fuel cap shall not protrude past outer rail. The fuel tank filler shall be mounted in accordance with FMVSS 301. The fuel filler hose shall not touch any rough or sharp surfaces and will have no kinks or restrictions. Hose shall be supported by no more than 16" centers, have at least 6 inches clearance from the rear tire with any amount of suspension travel, and if closer than 12" to the tires, have a shield to protect it from objects that may be thrown from the tires.

Draft Line Storage: Draft hose storage shall be mounted under the platform, between the frame rails of the truck. The draft hose box shall be a minimum of 4.75" tall, 24" wide and 100" deep. The opening is covered with a drop hinged, slam shut, Stainless Steel door with push button latches.

Receiver Hitch: A receiver hitch and attached under bar shall be installed on the chassis frame. The under bar is integrated with the lower section of the rear springer mounting system. Trailer wiring and factory brake controller shall be included.

52.03 Compartments REBEL

Compartment Construction: All storage compartment walls shall be constructed from 0.125" aluminum diamond plate. Internal frame work shall be constructed of .125" formed aluminum structural members. Compartment interiors shall be free of exposed electrical harnesses or plumbing components.

Driver's Side:

Top Front Compartment(s): This compartment shall have approximate dimensions of 72"L X 44"H X 18"D and shall include one (1) compartment with double horizontal hinged doors. This compartment is designed for the storage of long handled tools.

Top Rear Compartment(s): This compartment shall have approximate dimensions of 36"L X 44"H X 18"D with double horizontal hinged doors.

Lower Front Compartment: This compartment shall have approximate dimensions of 36"L X 16"H X 18"D with a horizontal hinged drop door. This compartment shall be attached to the platform by its top.

Passenger's Side:

Top Front Compartment(s): This compartment shall have approximate dimensions of 72"L X 44"H X 18"D and shall include one (1) compartment with double horizontal hinged doors. This compartment is designed for the storage of long handled tools.

Top Rear Lower Compartment(s): This compartment shall have approximate dimensions of 36"L X 12"H X 18"D and shall include a slide out tray.

Top Rear Upper Compartment(s): This compartment shall have approximate dimensions of 18"W X 32"H X 36"D with a horizontal hinged drop door.

Lower Front Compartment: This compartment shall have approximate dimensions of 36"L X 16"H X 18"D containing two (2) compartments. The front section of the box shall have approximate dimensions of 20"L X 16"H X 18"D with a horizontal hinged drop door. The rear section of the box shall have approximate dimensions of 16"L X 16"H X 18"D with a horizontal hinged drop door.

Coffin Compartment(s): One (1) coffin compartment shall be provided and installed above the top front of the tank with approximate dimensions of 60"L X 16"H X 24"D. The compartment shall be constructed of 0.125" aluminum. The compartment shall have weather tight lid, with a sealed hinge, 2 gas shocks, and a latch to keep to lid secured.

Added in Draft#: 2

52.03 (CONTINUED) Compartments REBEL ATX

Compartment Shelves: Four (4) adjustable shelves shall be installed in the top body compartments. The shelving system shall be mounted on a punched finger style slim-line track to allow the change of elevation. Shelves shall be 17.5" in depth, width of the box, with a 2" peripheral lip. Shelves shall be constructed of aluminum and be capable of supporting 250 lbs. of live load without being damaged or permanently distorted. The shelf locations shall be as follows:

- Two (2) in the D/S top front compartment
- Two (2) in the P/S top front compartment

Compartment Doors: All compartment doors shall be recessed into the compartment body sides. All doors shall be weatherproof and maintain contact with all points of the weather stripping. Weather stripping shall be bulb type, attached to the opening flange of the compartment opening. The doors shall have a cross style break in each door for strength.

Door Latches and Hardware: All compartment door latch assemblies shall be installed with threaded stainless steel fasteners, shall not be welded, and shall be easily removable for servicing or replacement. All door latch assemblies shall be of a flush-mount, "D-handle" design, with all external components fabricated from polished, corrosion resistant stainless steel. All latches shall be of a two-position twist latch type design latching operation. Stainless steel nuts shall be the self-locking type. All latch assemblies shall be keyed alike to 1250. Eight (8) spare keys shall be provided.

Door Hold Devices: All vertically-hinged, outward-opening compartment doors shall be provided with an over center door check to hold the door in the open position. The door check is spring type that when door latch is released the door "springs" to an open position. To release, the spring is moved from the straight position and it folds into the "ready" to open position. It shall be attached to the top of the door and fastened to a plate bolted onto the door. All vertically-hinged, outward opening compartment doors shall be capable of being closed with one hand, allowing a free hand to hold equipment or supplies.

All horizontally-hinged, drop-down, outward-opening compartment doors shall open flat to the surface below. All horizontally-hinged, overhead lift-up, outward opening compartment doors shall be provided with two (2) extending, gas cylinder type hold open devices, one (1) mounted vertically on each side of the compartment door opening. The pressure rating of the gas cylinders shall be carefully matched to the size and weight of the compartment door and shall hold the compartment door securely open to a greater than 90 degree angle without additional support. The gas cylinder hold openers shall dampen the upward movement of the compartment door while opening and will permit closing of the box door without need to release any type of manual locking devices.

52.04 Body Accessories REBEL ATX

Dri-Deck: Dri-Dek shall be installed in all compartment floors and shelves. Dri-Dek provides surface protection and is resistant to fungus, mold, grease, solvents, and most common chemicals.

Mud Flaps: Two (2) flexible rubber mud flaps with manufacturer's stamped logos shall be installed on both sides of the apparatus body behind the rear wheels unless otherwise specified by the Purchaser.

Reflectors: Six (6) Truck-Lite reflectors shall be installed on the apparatus - Two (2) red on each side, rear corners at the outermost practical location, one (1) amber on each side of the headache rack.

Rear Step: One (1) NFPA-compliant fold down step shall be provided and installed at the rear of the apparatus via the receiver hitch. The step shall be fabricated from heavy duty cast aluminum with spring assisted hinges. The stepping surface shall be diamond point and skid resistant so water may flow off without ice formation in cold weather use.

Grab Handles: Two (2) NFPA-compliant chrome-plated grab handles shall be provided and mounted at the rear. Location: vertical right side on manifold enclosure, horizontal top on pump panel.

Nozzle, Nozzle Clips, and Holder: One (1) Akron forestry nozzle shall be included per hose reel. A nozzle clip and tool holder shall be installed on the rear of the apparatus body.

Wheel Chocks: Two (2) ZICO wheel chocks shall be mounted rearward of the rear wheels. One (1) wheel chock will be mounted on each side of the apparatus. Locking mechanism shall be provided on the holders to prevent theft.

I-Zone Hose Hooks: Two (2) I-Zone hose hooks shall be provided and installed on the rear of apparatus body.

Platform: A platform shall be fabricated and installed above the pump area. This space shall be used for additional storage.

Pump Cover: A black vinyl cover shall be provided at rear to protect the pump. The cover shall have connectors/turnbuckles on bottom to roll up to the top.

Ice chest Mount: Ice chest mount shall be provided to best possible spot.

Anchor Points: Anchor points shall be provided in the upper compartments.

Pack Track: One (1) pack Track shall be installed in the mid compartments.
Added in Draft#: 3

ELECTRICAL

53.01 Electrical System & Testing

Chassis Electrical System: The commercial chassis electrical system shall be provided as furnished by the original manufacturer. A customized interface shall be provided and designed, so as not to disturb any of the required chassis functions. The necessary interfaces shall only be provided in areas where load management is allowed or with accessory components provided on the chassis.

Body Electrical System: All electrical lines in the body shall be protected by automatic circuit breakers, conveniently located to permit ease of service. Wiring shall be carefully protected from weather elements and snagging. Heavy duty loom shall be used for the entire length. To minimize the risk of thermal damage, wires run in the engine compartment area shall be carefully installed and suitably protected by the installation of heat resistant shielded loom. All lines shall be color coded, easy to identify, oversized for the intended loads and installed in accordance with a detailed diagram. Grommets shall be utilized where

wiring passes through panels. Solderless insulated connectors shall be utilized at all splice joints and shall be enclosed with heat shrink tubing for extra corrosion protection. Flashers, heavy solenoids and other major electrical controls shall be located in a central area near the circuit breakers. All electrical equipment shall be installed to conform to the latest federal standards as outlined in NFPA 1901.

Junction Boxes: Two (2) electrical fuse boxes (battery and ignition), for all apparatus modules, connections, relays, circuit breakers, etc. shall be located in the console between the driver and the passenger seats. All connection points shall be labelled according to function.

12-Volt Electrical System Testing and Certification

The apparatus low voltage electrical system shall be tested and certified by the manufacturer. The certification shall be provided with the apparatus. All tests shall be performed with air temperature between 0F and 110F. The following three (3) tests shall be performed in order.

Test #1-Reserve Capacity Test: The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off and the minimum continuous electrical load shall be activated for 10 minutes. All electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a test failure.

53.01 (CONTINUED) Electrical System & Testing

Test #2-Alternator Performance Test at Idle: The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.

Test #3-Alternator Performance Test at Full Load: The total continuous electrical load shall be activated with the engine running up to the engine manufacturers governed speed. The test duration shall be a minimum of 2 hours. Activation of the load management system shall be permitted during this test. However, an alarm sounded due to excessive battery discharge, as detected by the system, or a system voltage of less than 11.8-volts DC for a 12-volt system, for more than 120 seconds, shall be considered a test failure.

Low Voltage Alarm Test

Following completion of the preceding tests, the engine shall be shut off. The total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm is activated. The battery voltage shall be measured at the battery terminals. With the load still applied, a reading of less than 11.8-volts shall be considered a test failure. The battery system shall then be able to restart the engine.

At time of delivery, documentation shall be provided with the following information:

Electrical system performance test

Nameplate rating of the alternator

An alternator rating at idle while meeting the minimum continuous electrical load

Each component load comprising the minimum continuous electrical load

Additional loads that, when added to the minimum continuous load, determine the total connected load

Each individual intermittent load

53.02 Center Console

The cab shall be equipped with an angled, form-fitted control console located between the front driver's and officer's seats. This console shall be sized to accommodate the installation of a switch panel for the control of the emergency and general illumination lighting, siren controller, and customer-mounted radios. The

console shall contain the following components:

One (1) 12V indicator and 2-position 12v power points

Two (2) USB charging outlet

One (1) Bracket and pre-wiring for customer-mounted radio - BK & Mobile Wave Radio - 2 mobile chargers (transfer the radios from the customer truck)

One (1) Grilled area for below surface emergency radio speaker mounting

One (1) Two position cup holder

Two (2) Magnetic Mic

One (1) Pocket storage compartment

One (1) Lighting controller

Lighting Controls: A 6-Gang Switch Panel shall be installed in the center console for controlling warning lights.

Added in Draft#: 2

53.03 Warning Light Package TOMAR

A TOMAR warning lighting package shall be installed on the apparatus. All lights will be controlled from switches in the center console. All lights will be Amber. The package includes the following:

Zone A Upper:

Lightbar w/Traffic Advisor, Take Down & Alley Spots Part # 970L-53D1-1201A TOMAR "Scorpion", 53" fully populated dual color warning lightbar shall be rigidly mounted on the top of front of the body on a riser.

Zone A Lower: Four (4) TOMAR RECT-14, amber LED flashers w/ mounting flanges shall be installed on the front of the apparatus, forward facing, two (2) per side in the brush guard. The LED color shall be amber.

Zone B/D Front Lower: Two (2) TOMAR iLED combo emergency/scene lights w/ mounting flanges shall be installed over the wheel well of the apparatus chassis, side facing, one (1) per side for use as "forward intersection" lights. The LED color shall be amber/white.

Zone B/D Rear Lower: Two (2) TOMAR iLED combo emergency/scene lights w/ mounting flanges shall be installed on the rear sides of the apparatus body, over the rear wheel, side facing one (1) per side, for use as "rear intersection" lights. The color shall be amber/white.

Zone B/D Upper: Two (2) TOMAR iLED combo emergency/scene lights w/ mounting flanges shall be installed on the upper storage baskets on the apparatus body, side facing, one (1) per side for use as "rear intersection" lights. The LED color shall be amber/white.

Zone C Lower: Two (2) TOMAR iLED combo emergency/scene lights w/ mounting flanges shall be installed on the lower rear of the apparatus, rear facing, one (1) per side. The LED color shall be amber/white.

Added in Draft#: 2

53.05 Apparatus Body Lighting

LED Strip Compartment Lights: One (1) 24" LED strip light shall be provided on each side to illuminate the compartment, total fourteen (14) lights. Lighting shall be plastic encapsulated, shock resistant, continuous LED light segments. The LED strip lights shall be attached vertically in the compartment. Each compartment light shall be switched with a compartment lighting mechanical door switch. Each compartment light sets shall be switched with a compartment magnetic switch and relay combination. The switch trigger wire shall run up front to the console to the compartment door open warning system on the console. The system shall also hook to the parking brake switch as a stop gap initiation.

Ground/Perimeter Lights - Front Bumper & body: One (1) E-10 Tecniq clear LED shall or equal shall be provided under the front bumper housed within an enclosure sufficient to protect from damage. This light shall operate from one of the chassis upfitter switches. Four (4) E-10 Tecniq clear LED lights or equal shall be provided under the apparatus body, one (1) forward and one (1) aft of the rear wheel wells, both sides of the body. Two (2) 4" Maxxima round LED lights shall be provided under rear of the apparatus body. The lights shall be housed within an enclosure sufficient to protect from damage. The cab and body ground lights shall be equipped with an activation switch on the pump operator's panel.

Cluster/Clearance Lights: Three (3) round ICC LED clearance lights shall be installed at the rear of the apparatus above the bumper. Additional clearance lights shall be provided to conform to DOT, Federal, and NHTSA specifications for vehicles of 80" wide. All lighting shall be compatible with the 12-volt chassis electrical system. Lighting shall be located according to ICC regulations.

Back-Up Lights: Two (2) Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, white LED back up lights shall be provided at the rear of the body, one (1) each side, above the rear step. The backup lights shall illuminate when the chassis is placed in reverse gear and/or when the rear flood light switch is activated in the cab.

Turn Signal Lights: Two (2) Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, amber LED arrow style turn signal lights shall be provided at the rear of the body, one (1) each side, above the rear step.

Brake/Tail Lights: Two (2) Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, red LED combination tail/brake lights shall be provided at the rear of the body, one (1) each side, above the rear step.

License Plate Bracket and Light: A license plate mounting bracket with LED lighting shall be installed at the rear of the body.

Spot/Flood Lights: Three (3) HIVIZ 16" Minibrow Spot/Flood combo LED lights shall be mounted one (1) on each side of the top compartments and one (1) on the front grill. The control switches shall be mounted on the center console.

Added in Draft#: 2

53.07 Flood Lights

Two (2) Betts Model # 305003 PAR 36 with Trilliant® 36 LED White Light™ work lamps shall be installed, one on each side of the apparatus, on the rear body. The mounting bracket shall enable full 360° rotation both in the horizontal and vertical axis. The lights shall have a grey finish. The lights shall be individually switched at the light head.

Added in Draft#: 2

53.08 Battery System

Battery Charger System: One (1) Iota DLS-45/IQ4 12 Volt 45 AMP 4 Stage Automatic Smart Battery Charger shall be provided and installed behind rear bucket seat on driver's side. The charger is ruggedized to withstand the shock and vibration encountered by vehicle mounted equipment.

Auto-Eject: One (1) Kussmaul Super Auto Eject shall be provided and installed. The Super auto Eject is a completely sealed automatic power line disconnect. This prevents contamination of the mechanism by road dirt and ensures long reliable life even when mounted in the most severe environment. A novel internal switch arrangement closes and opens the 120-Volt AC circuit after the mating connector is inserted, and before the connector is removed. This eliminates arcing at the connector contacts and assures long contact life. The Super Auto Eject is connected to the starter circuit so that ejection occurs when the engine is cranked. The unit is mounted in the rail of the rear cab protection. The cover will be red unless otherwise specified by the Purchaser.

Shoreline Power Inlet Plate: A shoreline power receptacle information plate shall be permanently affixed at or near the power inlet. The plate shall indicate the following:

Type of Line Voltage

Current Rating in Amps Power Inlet Type (DC or AC)

Battery Disconnect Switch: One (1) solid state battery disconnect switch with built in timer shall be installed under the hood and near the battery. The disconnect will be controlled by the chassis ignition, and the customer may select between instant on-off or instant on with timed off up to 30 minutes. A green "battery on" indicator will be installed on the center console in view of the operator. The light will be on when the disconnect is active.

53.09 Alarms

Back-Up Alarm: One (1) solid state back up alarm shall be installed at the rear of the apparatus. The backup alarm shall be wired to the reverse circuit of the transmission and shall provide an audible alarm to the rear of the apparatus when reverse gear is selected. The alarm shall have a volume of 87 to 112 DBA while in operation.

"Do Not Move Apparatus" Warning Light with Audible Alarm & Marker Lights: A 1" round, red flashing warning light with an integral audible alarm, shall be functionally located in the cab to signal when an unsafe condition is present such as an open cab door or body compartment door which may cause damage to the apparatus if moved. This light shall be activated when the parking brake is engaged. The label shall read "DO NOT MOVE TRUCK".

Cab marker lights and signaling devices shall be as provided on the commercial chassis cab from the original chassis manufacturer. Truck-Lite Model #30 or equal red LED marker lights with integral reflectors shall be provided at the lower side rear, one (1) each side and two (2) each on driver and passenger sides. Truck-Lite Model # 30 LED 3-lamp identification bar or equal will be provided on the apparatus rear center. The lights shall be red in color.

53.11 Rear View Camera System

A new backup camera system shall be installed on the apparatus. The camera shall be recessed into the rear bumper to protect it from getting smashed or ripped off. The display shall be a 7" LCD visible to the driver. The backup camera shall be activated when the apparatus is put into reverse unless otherwise specified by the Purchaser.

Added in Draft#: 2

FIRE FIGHTING SYSTEM

54.02 Hale Pump, Primer, Engine & Foam System

Pump: One (1) Hale Model HPX75-KBD24 pump shall be installed and shall be capable of meeting the NFPA 1906 performance ratings of 50 GPM @ 250 PSI. Typical pump performance from 5-foot draft at sea level shall be: 15 GPM @ 350 PSI, 70 GPM @ 250 PSI and 145 GPM @ 90 PSI. The pump/engine shall be capable of meeting the USFS Type 4 and Type 6 apparatus ratings of 40 GPM @ 300 PSI, 70 GPM @ 250 PSI and 115 GPM @ 150 PSI.

Engine: The engine shall be a 4-cycle diesel Kubota D902 radiator liquid cooled design. Engine rating shall be 24.8 BHP at 3600 RPM with a torque of 41.3 lb-ft at 2600 rpm. Engine displacement shall be 898cc and the engine shall be EPA Tier 4 compliant. A 12-volt electric system shall be provided with electric starter and a 40-amp alternator. Engine shall be with USDA approved spark arrestor. The pump/engine shall be

isolation mounted on engine mounting legs.

Engine Fuel Supply: The pump engine shall siphon fuel from the chassis fuel tank via an electric fuel pump. Siphoning shall occur at a level 1.50" above the chassis siphon system.

Primer: One (1) positive displacement, oil-less, rotary vane, electric motor-driven priming pump, conforming to the NFPA requirements, shall be provided and installed on the cross member at the left rear of the body. The primer pump body shall be fabricated from heat-treated anodized aluminum for wear and corrosion resistance. The primer pump electric motor shall be of a 12 VDC totally enclosed design. The priming pump shall not require lubrication from an external source. The priming pump shall be operated by a single push-pull control valve mounted on the pump operator's panel. The control valve shall be constructed of bronze.

Foam System: One (1) Scotty Through-the-Pump foam system shall be installed on the completed unit. The unit shall consist of an eductor and proportioning valve between the inlet and discharge side of the pump. When in operation, it shall draw water flow from the discharge side, route it through the eductor and proportioning valve, draw foam concentrate through the proportioning valve, and provide foam solution back into the inlet side of the pump. Note: When the foam system is in operation, all discharges, including the tank fill, shall be supplied with foam solution. The foam system shall be capable of adjusting the foam concentration up to .5%.

Added in Draft#: 2

54.05 Water & Foam Tank

Water Tank: One (1) 450-gallon water tank shall be provided and installed.

Foam Tank: One (1) 12-gallon foam tank shall be integrated with the water tank.

Tank Construction: The tank shall have a footprint of 59.50" W x 75.50" L. The tank shall be designed to be completely independent of the platform structure and compartments and shall be equipped with removable lifting eyes to facilitate ease of removal. All exposed edges on the tank and fill tower shall be rounded off to a 0.25" radius. The tank shall be fabricated with 0.50" thick, non-corrosive stress relieved polypropylene, gloss black in color and U.V. stabilized for maximum protection. Materials used shall be compatible with firefighting foams, retardants, and wetting agents. All joints and seams shall be extrusion double welded and tested for maximum strength and integrity. The transverse baffle partitions shall be manufactured of the same material as the main body and extend from the floor of the tank to the cover to allow for positive welding and maximum integrity. Baffling will meet or exceed NFPA 1901. All baffle partitions shall interlock with one another and be welded to each other, as well as to the walls of the tank. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. All internal piping shall be constructed of schedule 80 polypropylene pipe. The tank shall have a vent overflow pipe that extends through the tank and exits under the vehicle. The tank sump shall have a plate welded approximately 2" above the sump to prevent water swirl. There shall be piping inside the tank with a suction tube to the sump. The suction tube shall extend down through the anti-swirl plate and baffles. All fittings in the tank shall be heavy duty polypropylene and shall be welded inside and outside using industry acceptable practices. Tank inlets shall have flow deflectors inside the tank. The end wall of the tank, closest to the pump mount location shall have vertical translucent panel sight gauges for water and foam.

Fill Towers: The tank shall have two (2) manual fill towers with vents. One (1) fill tower shall be for water. One (1) fill tower shall be for foam. The towers shall be constructed of 0.50" polypropylene and shall be a minimum dimension of 8" x 8" outer perimeter. The towers shall be located at the rear corners of the tank. The towers shall have 0.25" thick removable polypropylene screens and a PT3 polypropylene hinged cover. A combination vent and overflow pipe shall be fastened inside the fill towers, approximately 1.50" down from the top.

Tank Outlets: One (1) 3" female NH tank to pump suction fitting shall be located on the driver's side rear

facing wall of the tank.

Tank Inlets: One (1) 1" female NH tank fill fitting with flow deflector shall be located on the driver's side rear facing wall of the tank.

Added in Draft#: 3

54.06 Intake/Discharge Plumbing & Valves

Plumbing Specifications: All plumbing shall be stainless-steel pipe or high-pressure hose. High-pressure hose and hump hose connections shall be installed where vibration or chassis flexing may damage or loosen piping. Victaulic fittings shall be utilized to join plumbing. All the fittings shall be NH standard.

Valves: All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair, or replacement. The discharge and intake valves shall be either direct-actuated quarter turn type or control rods directly connected to the valve handle from the rear mounted pump panel.

Caps: All discharges and intakes shall have NH thread brass chrome rocker lug style caps with chains unless designed to be pre-connected or otherwise specified.

Suction:

Intake Manifold: One (1) 3" stainless-steel manifold shall be connected to the inlet side of the pump.

Tank to Pump: One (1) 3" tank to pump valve labeled "TANK TO PUMP" shall be attached to the intake manifold. The valve shall be plumbed to the tank by 3" stainless-steel pipe and hump hose.

Primary Suction: One (1) 2.5" primary suction valve labeled "SUCTION 2.5" shall be attached to the intake manifold. The valve shall be plumbed to the intake by 2.5" stainless-steel pipe. The intake will terminate with a NH fitting. A removable intake screen shall be installed to prevent debris from entering the pump.

Discharge:

Discharge Manifold: One (1) 2.5" stainless-steel manifold shall be connected to the discharge outlet of the pump. Discharge valves shall be attached to the discharge manifold by welded pipe nipples. The manifold shall include a quarter turn petcock drain valve at the base.

Rear Discharge: One (1) 1.5" valve labeled "REAR DISCHARGE 1.5" shall be attached to the discharge manifold. The discharge shall face the rear of the apparatus and terminate with a NH fitting.

Mid Body Discharge(s): One (1) 1.5" valve labeled "MID BODY DISCHARGE 1.5" shall be attached to the discharge manifold. The discharge shall be plumbed with stainless steel pipe through the water tank and shall connect to the two (2) operational valves one (1) on each side of the body via T-adaptor. The discharge shall terminate with a NH fitting.

Hose Reel(s): One (1) 1" valve labeled "HOSE REEL" shall be attached to the discharge manifold.

Tank Recirculation: One (1) 1" valve labeled "RECIRCULATE" shall be attached to the discharge manifold. The valve allows for recirculation of water when discharge valves are closed and for the pump to be used to refill the water tank.

Added in Draft#: 2

54.07 Hose Reel(s) & Booster Hose

Hose Reel Location(s): One (1) Hannay brand electric hose reel shall be provided and installed on the passenger's side inside the top rear upper compartment. The hose shall dismount to the rear of the apparatus.

Hose Reel Specifications: The hose reel shall have capacity for 75' of 1" booster hose. The hose reel outlet connection shall be 1" NH thread. The hose reel shall include a 2/3 HP 12V electric motor for rewinding the hose. The rewind control shall be located on the rear section of the hose reel frame. The hose reel shall include a 70-amp breaker. The hose reel shall also include manual rewind capability. The pinion shaft for the manual rewind gear shall have an adjustable tension brake controlled at the reel. One (1) FH3 captive roller assembly, or equivalent, shall be included with the reel. The frame and drum shall be fabricated of steel with aluminum powder coat finish and the sprocket shall be chrome plated to minimize maintenance.

Booster Hose: 75' of Reel Lite 1" booster hose shall be provided and installed on the hose reel. The booster hose shall be well suited for fighting applications. The booster hose shall be non-collapsible and extremely kink resistant, even at low pressure, with a bend radius of less than 3.5". The booster hose shall include circular woven construction, single jacket, and combined with a helical interior reinforcement. The booster hose shall be yellow in color.

Added in Draft#: 2

54.10 Instrument Panel

The instrument panel shall include the following components:

Pump Engine OFF/RUN/START Control
Engine Ignition ON Warning Light
Primer Control
Throttle Control
Oil Pressure Warning Light
Coolant Temperature Warning Light
One (1) E-03 Tecniq LED Light and Switch for Panel Illumination
Tachometer/Hour Meter
One (1) Soft-Glo Series water level gauge with black bezel
One (1) Soft-Glo Series foam level gauge with black bezel

Intake & Discharge Pressure Gauges: One (1) 2.5" compound pressure gauge shall be provided and installed on the pump panel. The gauge shall display 30 inHg to 400 PSI. The gauge shall be Class 1 brand or equivalent.

PAINT, GRAPHICS & LABELS

55.01 Cab Paint

The chassis cab shall be painted red at the OEM.

55.04 Compartment Door Paint

The compartment door shall be painted to match the chassis cab unless otherwise specified by the Purchaser.

55.05 Graphics, Lettering and Striping

3M Scotchlite graphics, lettering, and striping shall be provided on the cab doors and apparatus body. The Purchaser will provide the original artwork to the Seller. The Seller will provide decal mockups to the Purchaser before installation. Premium materials are available for an additional fee. Customer will send the graphics for installation.

A unit identifier in large letters shall be provided on the roof of the cab.

Added in Draft#: 3

55.06 Data & Safety Labels

The following labels and signs shall be affixed to the apparatus:

Apparatus Fluid Type and Quantities: A permanently mounted label displaying the following information shall be installed in the apparatus interior near the driver's seat.

Pump Engine Oil

Pump Transmission Lubrication Fluid

Pump Primer Fluid (if applicable)

Chassis Engine Oil

Chassis Engine Coolant

Chassis Transmission Fluid

Chassis Drive Axle(s) Lubrication Fluid

Chassis Air Conditioning Refrigerant

Chassis Air Conditioning Lubrication Oil

Chassis Power Steering Fluid

Chassis Front Tire Cold Pressure

Chassis Rear Tire Cold Pressure

Chassis Maximum Tire Speed Rating

Chassis Manufacturer

Chassis Production Number

Chassis Year, Month Manufactured

Chassis Vehicle Identification Number

Unit Identification Placard: A unit identification placard shall be installed on the center console. The placard shall state the name and address of the apparatus manufacturer and the apparatus unit number.

Pump Operating Instructions & Specifications: An identification plate shall be provided near the instrument panel with step-by-step pump operating instructions and pump specifications.

Component Labels: All controls, valves, gauges, ports, drains, and other components shall be labeled.

Warning Labels: The following warning labels shall be installed in the chassis cab and be visible from the driver's seating position.

"Maximum number of personnel the vehicle is designed to carry (5)."

"DANGER: Personnel must be seated and seat belts must be fastened while vehicle is in motion. Death or serious injury may result when apparatus is in motion."

"DO NOT MOVE APPARATUS WHEN LIGHT IS ON"

"This apparatus is equipped with an air filter ember protection screen. Routine inspection is required."

"WARNING: Noise hazards occur during siren operation."

55.07 Chevrons

The interior diamondplate surface of the tailboard apron shall be covered with diamond grade reflective chevrons. The diamond grade shall be Ruby Red and Lime Yellow in color.

OTHER

56.01 Detailing & Finalization

The apparatus shall be tested to ensure proper operation of all systems. The finalization process includes paint touch up, caulking, washing and detail, checking fluid levels, etc.

56.02 Operation, Service, & Certification Material

The following materials shall be provided with the completed apparatus:

Operator Safety Information
Pump Operation and Troubleshooting Instructions
Maintenance and Lubrication Information
Component Literature
Replacement Parts List
Electrical Diagrams
Pump Test Certificate
Weight Certificate
Warranty Information

56.04 Warranty

The apparatus shall be covered by a 1-year limited warranty. Warranty includes parts and workmanship.



Sales Agreement

Brindlee Mountain Fire Apparatus (Seller) hereby agrees to sell one 2024 Rebel Strike / Dodge 4x4 Brush Truck (Apparatus) to Southwest Ranches Volunteer Fire Rescue Department, FL (Buyer) for the sum of \$249,000.00 (Two-Hundred Forty-Nine Thousand Dollars and no cents).

Apparatus: 2024 Rebel Strike / Dodge 4x4 Brush Truck, Stock #18389

Buyer Info: Southwest Ranches Volunteer Fire Rescue Department, 17220 Griffin Rd, Southwest Ranches, FL 33331

Seller Info: Brindlee Mountain Fire Apparatus, 15410 Highway 231, Union Grove, AL 35175

Terms and Conditions of Sale:

(1) Services Included: Seller will complete all items listed on the attached Addendum.

(2) Warranty: In addition to the warranties provided by Rebel Strike and the associated components (i.e. Dodge), the following warranty is included: Apparatus will have a one (1) year warranty beginning with date of pick up. Warranty will cover any single component repair due to catastrophic failure in which the cost exceeds \$3,000.00 (Three Thousand Dollars and no cents) unless repairs are due to operator error, equipment misuse, or substandard maintenance. Apparatus must be maintained to manufacturer's recommended standards or warranty is voided. Total warranty costs paid by Seller to Buyer in the one (1) year warranty period shall not exceed \$12,000.00 (Twelve Thousand dollars and no cents). Apparatus components are engine, transmission, pump, electrical system, axles, and body structure.

(3) Payment and Title: Buyer will submit a 25% down payment of the sales price at the execution of this sales agreement. Buyer will make payment in full to Seller prior to the release of Apparatus for pick up or delivery. Seller will provide title free of lien to Buyer following receipt of payment.

(4) FOB Seller, Freight Collect: Buyer assumes the responsibility of the Apparatus upon pick up by carrier or other designated representative. Buyer is responsible for all freight charges.

(5) Jurisdiction: This contract shall be governed by, construed, and enforced in accordance with the laws of Alabama. The undersigned by execution and delivery of this Agreement do hereby submit to the exclusive jurisdiction and venue of the state and federal courts of Marshall County, Alabama.

This agreement is valid for execution by September 20, 2024.

Sales Representative
Brindlee Mountain Fire Apparatus

Authorized Representative
BUYER

Date

Date



Addendum to September 6, 2024 Sales Agreement

Addendum for the contract between Brindlee Mountain Fire Apparatus (Seller) and Southwest Ranches Volunteer Fire Rescue Department, FL (Buyer). This addendum names the specific items to be completed on the Apparatus (Stock #18389) by the Seller.

1. Apparatus to meet the requirements noted in the Rebel Strike Proposal provided to Buyer.
2. Full chassis service of all fluids and filters.
3. Install two telescoping scene lights, per department specifications.