

**OPTION CF52**  
**TYPE 6 BRUSH TRUCK CONFIGURATION FY2023**  
**AVAILABLE ON GSA Items 129B, 129F, and 129J**

**INSTRUCTIONS TO CONTRACTOR:**

The contractor shall explicitly and completely identify any and all exceptions taken to the requirements of this specification. Drawings, literature, and any other information submitted with an offer do not constitute a stated or implied exception unless specifically identified in writing as an exception and accepted and implemented by an amendment to the solicitation or modification to a contract. Any exception deemed acceptable by the Government shall only apply to the specific item, requirement, etc. cited, and shall not extend to any other requirement.

The contractor proposing other than brand name items identified, when an "or equal" may be acceptable, shall furnish with their offer all technical data information, product descriptions, etc. to ensure that a determination may be made as to the equality of the product(s) offered (see provision titled "Brand Name or Equal" set forth in Section 52.211-6 of the Federal Acquisition Regulations).

**1.0 SCOPE**

This product description is for a Stake Bed Truck, GSA Items 129B, 129F, and 129J with additional requirements as specified within.

**2.0 APPLICABLE DOCUMENTS**

**2.1 DEPARTMENT OF INTERIOR**

1. BUREAU OF INDIAN AFFAIRS TYPE 6 BRANDING GUIDE FY23

**2.2 DEPARTMENT OF DEFENSE**

**3.0 REQUIREMENTS**

Materials shall be as specified herein. When materials are not specified, the vehicle and all parts thereof shall be furnished to provide the intended function, durability, safety, and maintain good long-term appearance. All materials shall be new, shall be suitable for the intended purpose, and shall be free of any characteristics or defects in material and workmanship, which may affect the performance, function, durability, and serviceability of the finished vehicle, or detract from its appearance. The government reserves the right to make the final determination of the suitability of all components and their arrangement on and in the vehicle.

All conversions and modifications shall conform to all requirements of the OEM's Modifier/Upfitter Guide. The contractor shall ensure that the application and installation of major subcomponents and systems is compliant with subcomponent vendors' requirements and recommendations.

**3.1 BASE CONFIGURATION VEHICLE**

**Part A: GSA Options:** Ordering activities shall select the following GSA options in addition to CF52:

1. AT
2. ATC
3. CR
4. SRG
5. PWL
6. RM6
7. DTG
8. RBV
9. RKE
10. CBU
11. BH
12. 115V

**Ordering activities should order other available options as required to complete their mission.**

**OPTION CF52**  
**TYPE 6 BRUSH TRUCK CONFIGURATION FY2023**  
**AVAILABLE ON GSA Items 129B, 129F, and 129J**

Note: This vehicle is furnished with the OEM's standard gasoline engine. Should the optional diesel engine (option YD) be ordered, the diesel engine shall be furnished with the OEM's fire/rescue prep package with the EPA special emissions package.

**Part B: GSA Options:** mandatory, the GSA contractor must include the options listed below in the price of this option. The content(s) of the following option(s) is/are required to provide a turn-key solution. The ordering activity must not select these individual options when selecting this option in GSA AutoChoice as this action will result in redundant pricing. Ordering activities may not request deletion of any of the option(s) when selecting this upfit option. Requests or orders submitted with AREQs to delete any of these options will be rejected by GSA.

1. 40/20/40 split bench seat
2. Vinyl flooring
3. Front axle shall be a minimum of 7000 LBS

### **3.2 AFTERMARKET CONTENT, GENERAL REQUIREMENTS**

The contractor shall procure all required resources, supplies, equipment, and perform all equipment installation to produce the vehicles. The base vehicles will be shipped from the OEM to the place of performance. The work shall be executed at a single location to assure uniformed installation processes. The effort includes installing communications, electrical, lighting, and support equipment to produce fully functional vehicles capable of supporting fire suppression operations. The vehicles shall meet all applicable DOT and FMVSS safety standards after modification. Modifications shall not disable vehicle OEM features, unless specified within. Note: all dimensions are nominal.

### **3.3 FLATBED**

1. 9'7" in length and 96" wide by Knapheide.
2. Color shall be black.
3. The rear bumper design and installation shall be such to allow for a minimum departure angle of 20 degrees.
4. The fuel fill guard shall steel, and the fill bucket shall be aluminum.
5. Heavy duty mud flaps shall be installed minimum of a ¼" rubber with steel support.

### **3.4 TOOLBOXES (all toolboxes Knapheide)**

1. A 60" L x 24" D x 24" H will be installed on top of the flatbed as far forward as possible, on each side of the body/flatbed. 1 adjustable shelf with shelf dividers. Shelf height will be adjustable with an adjustment tab placed at 14 ½" at a minimum from the bottom of the toolbox.
2. A 24" L x 24" D x 36" H vertical box shall be installed on top of the flatbed extending rearward from the vertical box. 1 adjustable shelf in each box with shelf dividers. Shelf height will be adjustable with an adjustment tab placed at 20", at a minimum from the bottom of the toolbox.
3. Closed cell foam strips shall be placed between the 60" and the 24" toolbox and secured with a minimum of 4 bolts to prevent water, dirt, or debris from getting in between the two boxes.
4. A toolbox located under the flatbed shall be 24" long x 14" deep x 14" high.
5. The rear street side toolbox (designated fuel storage) shall have one vent in the door face and one vent in the rear wall to allow air circulation to aide in reduction of fumes caused by fuel storage. A label noting fuel storage compartment shall be installed on the outside of the door in plain sight. The compartment shall contain a stainless-steel tray with rubber matting and a 1-inch lip on all sides. This tray shall not be attached to the compartment so that it can be easily removed and shall function as a catch for spilled fuel.
6. All other enclosed toolbox compartments shall not be vented.
7. Floor mats shall be installed in the non-vented compartments, custom cut to fit the compartment floors.
8. The floor mats shall be black in color and shall be easily removable to allow the compartment to be cleaned. The floor mats shall be designed to provide ventilation to the equipment stored in the

**OPTION CF52**  
**TYPE 6 BRUSH TRUCK CONFIGURATION FY2023**  
**AVAILABLE ON GSA Items 129B, 129F, and 129J**

compartment, and to protect the stored equipment from direct contact with the metal compartment floor surfaces. Turtle Tile brand or equal.

**3.5 BASKETS**

1. A basket shall be mounted on top of each 60" horizontal toolbox.
2. Baskets shall be 60" L x 23" W x 10" H by Knapheide.
3. Baskets shall be constructed of 10-gauge steel punched for ventilation/tie down.
4. Baskets shall have a mesh bottom.
5. Baskets shall be installed using a 2" wide x .25 thick rubber belting at the mounting locations. The belting will be the full width of the box. Located at each end and at the center of the box.
6. Baskets shall fold down at the lowest point possible with a heavy-duty hinge and reinforced where needed to accommodate the moving side.

**3.6 300 GALLON WATER TANK WITH 10 GALLON FOAM CELL**

1. The tank shall be an APR Tanks 300-1-SD-2.
2. A removable bulkhead threaded fitting shall be installed for the suction. A pickup tube and foot valve shall be connected to this fitting.
3. Installation of tank shall be complete including all required connections to the Largo platform.
4. The tank shall be in the center of flatbed and shall be 39" from the rear of the flatbed. Overflow tube shall be through the flatbed, then on to the ground. No water shall drain on metal surfaces, truck cross members or flatbed cross members. Overflow drain exit shall be behind the rear axle.
5. Fill towers of the tank shall be at the rear of the truck.

**3.7 PLATFORM**

1. The platform shall be a Largo Tank & Equipment, Part #LWFSU-BB4-SBEPF-HRCW Mini-Deck with a 7-liter integral B&S fuel tank.

**3.8 RADIO CONSOLE**

1. A Troy Console Part number: CC-MC-18 shall be installed, configured as follows:
2. 18" L-Shape console: 7" slope/11" level
3. Console mount for F550 with factory 20% seat removed
4. Faceplate for Bendix King radio model DMH5992R
5. Faceplate for Whelen controller CCTL7
6. Internal locking box part number: AC-GUNBOX-6
7. Internal dual beverage holder: AC-INBHG
8. Map light part number: AC-LL12-LED
9. Armrest part number: AC-SIDEARM-6 for driver and passenger
10. Power (B+ 30A) and ignition (B+sw 15A) prewiring for a DMH Digital BK Mobile Radio (Dash Mount) Product ID: DMH5992X
11. USB port part number: AC-DUALUSB
12. The 20% center section of the bench seat shall be removed to accommodate radio console.
13. A radio speaker shall be mounted on the radio console, Bendix King KNG M Series Product ID: KAA0261.

**OPTION CF52**  
**TYPE 6 BRUSH TRUCK CONFIGURATION FY2023**  
**AVAILABLE ON GSA Items 129B, 129F, and 129J**



### **3.9 GROUND LIGHTING**

Ten (10) 3" clear Whelen 3SC0CDCR LED lights shall be provided around the vehicle's perimeter. The lights shall be activated when the "Ground Lights" switch is activated. Perimeter light locations shall be as follows:

1. Two (2) lights shall be provided under the apparatus front bumper.
2. Two (2) lights shall be provided facing forward on bulkhead of body, one (1) on each side.
3. Four (4) lights shall be provided under the apparatus body, one (1) forward and one (1) aft of the rear wheel wells, both sides of the body. The lights shall be housed within an enclosure sufficient to protect from damage within the compartments.
4. Two (2) lights shall be provided under the tail board, protected from impact and debris.
5. The light power shall be switched by the Whelen controller.

### **3.10 REAR WORK LIGHTS**

1. Two LED work lights (Whelen part# PFBS6) shall be installed that can illuminate the rear portion of the vehicle.
2. The lights, with stainless steel brackets, shall be located at the highest center portion of the two (2) rear toolboxes without being taller than the toolbox.
3. The light power shall be switched by the Whelen controller.

### **3.11 COMPARTMENT LIGHTS**

1. LED strip lighting shall be provided and installed in each exterior compartment except the fuel compartment.
2. Full length LED strip lighting shall be installed behind the door frame on the left side, right side and top.
3. The strip lighting shall be mechanically attached to the inside of the compartment and shall be easily removable for replacement or repair.

**OPTION CF52**  
**TYPE 6 BRUSH TRUCK CONFIGURATION FY2023**  
**AVAILABLE ON GSA Items 129B, 129F, and 129J**

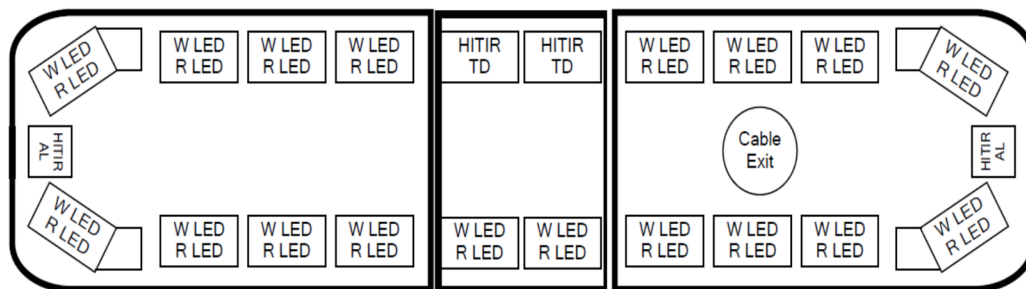
4. Each compartment shall be equipped with one (1) manual "push-pull" off-on waterproof marine type switch mounted in the top corner as close to the door hinge as possible. This switch will allow for the LED strip lights to be turned on manually and off upon the door closing.
5. The light master power shall be switched by the Whelen controller.

**3.12 EMERGENCY LIGHTING and SIREN**

1. Light bar shall be a Whelen Legacy Duo (Ford F-550 Series Specific) model number GB2SP3R.
2. Traffic advisor.
3. Take down and alley lights.
4. NFPA 1906 calling for right of way compliant.
5. Light bar shall be installed on the cab protector of the flatbed.
6. Whelen Core system control modules and CCTL7 control head shall be used as the light and siren controls.
7. Control modules are to be mounted under rear seat streetside and be protected by a guard.
8. Whelen PA315 speaker mounted inside of Ranch Hand Brush Guard on the curb side area under the main bumper.

Switch #	Accessory and Function
SLO	Stops all siren and flashing light functions
SL1	Not Used
SL2	Flashes all Red Lights
SL3	Flashes all Red Lights and white lights (Siren not automatically activated)

Configuration



**OPTION CF52**  
**TYPE 6 BRUSH TRUCK CONFIGURATION FY2023**  
**AVAILABLE ON GSA Items 129B, 129F, and 129J**

Button #	Accessory and Function
PB1	Not Used
PB2	Not Used
PB3	Not Used
PB4	Wail
PB5	Yelp
PB6	Piercer
PB7	Manual
PB8	Air Horn
PB9	Not Used
PB10	4 Corners Red
PB11	Flood (all white lights)
PB12	Compartment Lights
PB13	Low Power Mode
PB14	Left Alley
PB15	Right Alley
PB16	Take Down
PB17	Rear Work Lights
PB18	Ground Lights
PB19	TA Left
PB20	TA Right
PB21	TA Flash



### 3.13 FRONT BUMPER

1. A Ranch Hand 15K winch ready #FBF205BLR heavy duty black powder coated finish bumper and brush guard assembly shall be provided and installed.
2. A Warn M15000 Winch shall be installed.

### 3.14 DC ELECTRICAL DISTRIBUTION AND CONTROL

1. In addition to the OEM provisions, a minimum of one 12VDC branch power circuit shall be provided. The circuit(s) shall be protected by Buss Series 18X Hi-Amp Circuit Breakers or equal. Multiplexed wiring systems shall be installed to the extent possible.
2. A master body disconnect switch shall be provided in the cab. The switch shall be rated for 175

**OPTION CF52**  
**TYPE 6 BRUSH TRUCK CONFIGURATION FY2023**  
**AVAILABLE ON GSA Items 129B, 129F, and 129J**

amps continuous duty and 800 amps intermittent duty. The switch shall be labeled "ON/OFF" and shall be located on the floorboard to the left side of the driver's seat. It shall be placed as far aft as possible to prevent accidental actuation. The exposed terminals shall be protected from damage and inadvertent contact. When in the "OFF" position, all electrical power to the apparatus fire package shall be off. Power to the chassis shall remain separate from this switch.

3. A power supply cable consisting of a positive and negative battery cable shall be installed following the rear street side frame rail of the vehicle to the rear of the flatbed. The cable size or gauge shall be capable of supplying power to the Largo platform.

**3.15 ADDITIONAL MODIFICATIONS**

1. The vehicle shall be equipped with an Inter-motive idle lock anti-theft system that maintains functionality of all electronic functions including environmental controls, radios, lights, computers, etc. without leaving the vehicle vulnerable to theft.
2. A MWW1365S Antenna, Relm/BK mobile VH radio 21BK antenna shall be mounted in the center of the cab protector on the antenna tab. The NMO antenna mount coaxial cable shall be routed to the Troy console.
3. The chassis engine air intake 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. A warning label, stating: **"This vehicle is equipped with an engine air filter ember protection screen; routine inspection is required."** shall be provided and installed in the apparatus cab interior. This label shall be located so that it is visible from the driver's seating position.
4. Canvas removable seat covers, as close as possible to seat color, shall be furnished.
5. RBV to be Largo Tank & Equipment, Part # 2.5PIRB-F550EXT17.
6. A Buyers Heavy-Duty Foot/Grab Step #FS2797CH shall be installed on the rear of the flatbed.

**4.0 SPECIAL INSTRUCTIONS FOR VENDOR**

1. A preliminary design review shall be conducted.
2. A critical design review shall be conducted at the final stage manufacturer's facility.
3. Delivery shall utilize flatbed vehicle transport to all locations specified in the GSA order.