

**CUSTER COUNTY  
DISASTER & EMERGENCY SERVICES  
MILES CITY, MONTANA**

**SPECIFICATIONS FOR ONE NEW INCIDENT COMMAND TRAILER**

This attachment shall be considered a continuation of the **Call for Bids**, and by reference made a part thereof. The intent of the following format is to provide the governing body with the cost data necessary to determine their options for acquiring one new Incident Command Trailer.

The Board of County Commissioners reserves the right to reject any or all bids, to waive irregularities, or to accept any bid they deem to be in the best interest of Custer County.

**BASIS OF THE AWARD** shall be dependent on the most responsible bid submitted. Consideration will be given to purchase price, delivery date, equipment service guarantees, parts and service availability, parts and service facilities location, analyses and comparison of equipment specification details, and past experience of Custer County with similar or related equipment.

Bidder shall clearly describe (by attachment) available warranty, guarantees, and extended coverages of the trailer being offered.

Pursuant to the call for bids, the following minimum requirement shall be met:

- A. Trailer shall meet all Federal, State, and local laws and regulations on the date of the bid opening.
- B. No bid will be considered unless accompanied by a bid bond, in the amount of not less than ten (10) percent of the total amount of the bid.
- C. Delivery shall be F.O.B. Custer County DES Office, Miles City, Montana.
- D. The bid shall include all operating, service, parts, and technical repair manuals.
- E. Bidders must specify delivery date.
- F. Trailer shall be a 2024 advertised model, with all the latest changes and features offered as standard whether or not called for in the specifications; except where this specification requires a substitution in lieu of the manufacturer's standard equipment.
- G. Bids will not be considered that do not include a copy of the manufacturer's literature/specification material and an incomplete specification portion of the bid sheets.
- H. Drawings of the trailer model being offered with options requested shall be included in the bid.

**PURPOSE**

The purpose of these specifications is to identify minimum specifications and test parameters for the manufacture of an incident command trailer that meets the needs and desires of Custer County. It establishes essential criteria for the design, performance, equipment, and appearance of the trailer.

**GENERAL**

This is an engineer, design, construct and deliver type specification and it is not the intention of Custer County to write out vendors or manufacturers of similar or equal equipment of the types specified. It should be noted, however, that this specification is written around specific needs of Custer County. With the intent to standardize certain components, therefore, in places we have named specific brands of components. This has been done to establish a certain standard of quality. Other brands will be accepted providing the vendor provides documentation in the bid that the particular brand offered meets or exceeds the quality of the actual brand called for in the specification.

Please indicate in the following if the trailer offered can meet the desired configuration. Any “no” should be clarified on a separate sheet if the bidder desires support for an alternate specification. Failure not to do so may result in non-acceptance of the bid.

**REQUIRED EQUIPMENT SPECIFICATIONS  
DIMENSIONS AND FRAME CHARACTERISTICS**

YES	NO	
___	___	Exterior Width – 8 feet
___	___	Exterior Length – 36 feet
___	___	Exterior Height – 11 feet 8 inches
___	___	Interior Height – 7 feet 5 inches
___	___	Axle Weight – 8,900 pounds
___	___	Hitch Weight – 1,800 pounds
___	___	Total Weight – 10,700 pounds
___	___	Gross Vehicle Weight Rating – 14,000 pounds

**FRAME SPECIFICATIONS**

___	___	The vehicle frame will be in accordance with DOT specifications with a rated capacity of 14,000-pound GVWR, with a double eye leaf spring suspension system and utility-type hubs and drums.
___	___	The frame will be welded of two-inch by eight-inch (2"x8") tube steel with a yield between 35-40,000 pounds. Cross members and full perimeter outriggers will be installed for floor support and strength.
___	___	Heavy-duty dado two-inch by three-inch (2"x3") sidewall studs, sixteen (16) inches on center, with fiberglass insulation installed on the sidewalls, front and rear of the coach. A minimum of an R-11 rating factor is required.
___	___	A radiant barrier will be installed on the roof. The barrier shall consist of double-sided, 99% pure, aluminum material and laminated with a fire-retardant adhesive to full mil tear resistant polypropylene membrane and twenty (20) pound, water resistant, Kraft.
___	___	The vehicle shall be constructed in a stacking fashion wherein sidewall stud joists line up with the roof trusses to provide superior strength and construction integrity. Tie plates will be used to secure the roof structure to the sidewalls and sidewalls to the floor structure.
___	___	The vehicle will be as maintenance free as possible. The frame will be sprayed with a primer and then painted. ABS plastic wheel wells will be utilized to protect the underbody from road debris.
___	___	The frame will be equipped with SAE (Society of Automotive Engineers) approved safety changes utilizing the preferred U-bracket method, heavy-duty rear skid wheels, and a deep cycle marine style batter pack.
___	___	A 2-5/16-inch regular hitch couple will be installed.
___	___	A heavy-duty electric hitch jack will be installed, and a crank wrench shall be provided.
___	___	A lightweight aluminum bumper cover with rubber ends will be installed.

**SAFETY**

___	___	All exterior lights will be LED (brake lights, taillights, backup lights, clearance lights, etc.).
___	___	A set of twelve-volt (12v) LED safety lights will be located on both sides of the entrance step areas to provide safety lighting when entering and exiting the trailer.
___	___	A twelve-volt (12v) LED light and rear brackets are installed for the license plate.
___	___	The hitch connector power cord for the trailer required DOT lighting will be the universal RV Bargman 7-way male plug, or equivalent.
___	___	Heavy-duty electric leveling jacks will be bolted to the frame rail to stabilize the four corners of the unit during use. A dedicated twelve-volt (12v) battery and a manual crank wrench will be provided.

**AXLES AND BRAKES**

YES NO

\_\_\_ \_\_\_ 7,000-pound, round tube, straight tandem axles, and 4-wheel electric brakes will be installed. The braking system will be wired with a breakaway switch which locks the 4-wheel electric brakes in the event of the tow vehicle and trailer separation.

**EXTERIOR ROOF**

\_\_\_ \_\_\_ The outside of the trailer will be covered with a seamless, high-gloss, gel-coat fiberglass in the color white.  
 \_\_\_ \_\_\_ The roof design will be a bowed truss system with metal truss plates installed on both sides of the vertical framing on the trusses. The truss is then covered with the radiant barrier materials. A 7/16-inch OSB is installed over the barrier. Then a one-piece seamless, commercial-grade, rubber roof membrane is installed over the roof. This commercial-grade material shall have a 12-year limited warranty issued by the manufacturer.

\_\_\_ \_\_\_ A twelve-volt (12v), low profile, exterior porch light will be installed at each door location.

\_\_\_ \_\_\_ Two (2) electric awnings, one eight-foot by sixteen-foot (8'x16') and one eight-foot by eight-foot (8'x8'), will be installed on the curbside of the trailer and will cover both door locations.

\_\_\_ \_\_\_ Telescopic scene lights: Four (2) twelve-volt (12v), LED lights to be installed with a light on each corner of the trailer. The light shall be installed on a side mount, push up, anodized aluminum telescopic pole which rotates 360 degrees. Lighting controls for all telescopic scene lighting will be individually controlled via switches and located on the interior of the trailer near the interior lighting controls. Switches shall be labeled with their designated light being controlled.

\_\_\_ \_\_\_ Two (2) wall pack LED exterior grade lights to be installed curb side to effectively light up under awning area. Lighting controls will be located on the curb side exterior of the trailer near the entry doors.

\_\_\_ \_\_\_ An aluminum ladder shall be securely installed on the rear of the trailer for roof access.

**WALLS**

\_\_\_ \_\_\_ A reinforced polymax seamless vapor barrier will be installed between the frame and wood floor of the trailer.

\_\_\_ \_\_\_ Two (2) outward swinging entrance doors (32-inch by 75-inch) with a thirty-inch (30") clear width opening will be located on the curb side of the trailer. A paddle-style handle with electronic push button lock, deadbolt lock, grab handle and a metal door catch will be installed at each location.

\_\_\_ \_\_\_ Clear optical lens, twelve-volt (12v), and LED lighting will be installed throughout. All LED ceiling and under-cabinet lighting in trailer interior shall be switchable between white light and red light.

\_\_\_ \_\_\_ The walls will be covered with a pebble finish Kemlite 0.090-inch fiberglass reinforced plastic (FRP) lining in the color white.

\_\_\_ \_\_\_ One (1) fifty-inch by twenty-six-inch (50"x26") slider tinted safety glass window will be installed in the conference room area on the street side of the trailer. A pleated pull-down shade will be installed on the window.

\_\_\_ \_\_\_ One (1) fifty-inch by twenty-six-inch (50"x26") slider tinted safety glass window will be installed in the communications area on the curb side of the trailer. A pleated pull-down shade will be installed on the window.

\_\_\_ \_\_\_ Baseboards will be installed throughout interior.

**CEILING**

\_\_\_ \_\_\_ Ceiling will be covered in a heavy felt material in the color gray.

**FLOORING**

\_\_\_ \_\_\_ A commercial grade flooring with an embossed coined texture will be installed wall to wall. This material shall be skid resistant.

**CONFERENCE AREA**

**YES NO**

- \_\_\_ \_\_\_ The conference area will be in the front of the trailer and is designed for about six (6) participants. A thirty-two-inch by seventy-five-inch (32"x75") removable conference table with high impact laminate top will be installed.
- \_\_\_ \_\_\_ Bench seating with upholstered padded bench seats.
- \_\_\_ \_\_\_ Aluminum overhead cabinets will be installed on the front wall. Space for Custer County to mount a fifty-inch (50") LED wall mount television will be below the cabinets on the forward wall.

**WORKSTATION AND MISCELLANEOUS ITEMS**

- \_\_\_ \_\_\_ Install a network equipment rack (12U) under forward workstation in center section. All networking Terminations and wall jacks located throughout trailer shall be Leviton brand, or equal, in quality and performance. All networking cable throughout the trailer shall be CAT6 rated wire.
- \_\_\_ \_\_\_ Install high-impact laminate countertops along the curbside and streetside interior of workstation area.
- \_\_\_ \_\_\_ Install overhead storage cabinets along the curbside and streetside interior of workstation area. 12v LED undercabinet lighting shall be installed under cabinets and shall be switchable between red and white color.
- \_\_\_ \_\_\_ Install two (2) CAT6 jacks at each of the four (4) workstation locations in the center section of the trailer. All are to terminate in a patch panel located in the 12U network rack.
- \_\_\_ \_\_\_ Install 24-port ethernet CAT6 patch panel in the 12U network rack. All ethernet terminations throughout the trailer shall terminate in patch panel. Patch panel shall be Leviton brand, or equal.
- \_\_\_ \_\_\_ Install four (4) weatherproof LAN jacks on exterior of trailer, two (2) in proximity to doorways curb side and two (2) street side in proximity to 12U network rack. Also install two (2) 120-VAC weatherproof receptacles in similar proximity to doorways.
- \_\_\_ \_\_\_ Install two (2) 12 VDC power points in or near the electrical panel capable of twenty (20) amps of DC current (for additional radio connections).
- \_\_\_ \_\_\_ Install two (2) wireless access points (one interior and one exterior) with CAT6 runs to 12U network rack.
- \_\_\_ \_\_\_ Adequate space shall be provided for Custer County to mount two (2) thirty-two-inch (32") monitors on each side of the trailer in the workstation area.
- \_\_\_ \_\_\_ Install four (4) exterior PoE IP outdoor dome cameras connected to NVR. Cameras shall be located on each corner of trailer to provide a near 360-degree view. NVR shall be located interior near the streetside workstation TV mount. Cameras and NVR shall be 1080p resolution or higher. NVR shall have 1TB or larger internal storage.
- \_\_\_ \_\_\_ Install two (2) CAT6 jacks at each of the TV locations in the conference area and workstation area. All are to terminate in patch panel located in the 12U network rack.
- \_\_\_ \_\_\_ Install two (2) CAT6 jacks in the conference room area above the table and below the TV and terminate to patch panel located in the 12U network rack.

**KITCHENETTE**

- \_\_\_ \_\_\_ The kitchen area will include a built-in microwave, a compact electric refrigerator and will be located in the rear compartment.
- \_\_\_ \_\_\_ The kitchenette area will include open storage space in street side rear of unit with sufficient space to house radio repeater and duplexer, multiple equipment cases, M4 rifles, handheld radio storage, and other equipment.
- \_\_\_ \_\_\_ Kitchen area utilities will be installed in cabinetry, both standard height base cabinets with a countertop

and overhead cabinets, both to include storage.

**RADIO COMMUNICATIONS**

**YES NO**

\_\_\_ \_\_\_ Install four (4) communication radio cables from exterior roof to the 12U half rack in workstation area. Radio cables shall be terminated on roof using brass NMO connections and labeled one (1) through four (4) using exterior rain caps. Terminations on exterior roof will be equally spaced along the curbside of the trailer and no closer than twenty inches (20”) from the curb side edge of the trailer. The type of cable used will be a communications coax cable, rated at fifty (50) ohms and no smaller than RG58 size. Each cable terminated in the 12U network rack located interior, with ten (10) feet of cable left for Custer County to connect radio units.

\_\_\_ \_\_\_ Install a Custer County provided two-foot by two-foot (2’x2’) aluminum mast support plate on exterior roof, placed on far street side rear corner. Plated used to support Custer County installed radio repeater antenna.

**RADIO COMMUNICATIONS CONTINUED**

**YES NO**

\_\_\_ \_\_\_ Install pass-through cable connection on rear street side of trailer for repeater connection to antenna. Connection shall be a waterproof, Type N female connection. Pass through connection terminated interior in rear street side storage area.

**HEATING VENTILATION AIR CONDITIONING (HVAC)**

\_\_\_ \_\_\_ Three (3) Ventline Northern Breeze, or equal, power vents will be installed. Each vent has an intake/exhaust mode and a variable speed.

\_\_\_ \_\_\_ Two (2) 13,500 Btu air conditions will be installed.

\_\_\_ \_\_\_ Two (2) 1,000-watt electric heaters will be installed.

\_\_\_ \_\_\_ Heating and Air Conditioning climates controlled via an installed thermostat control located in the workstation area.

**EMERGENCY LIGHTING**

\_\_\_ \_\_\_ Eight (8) Whelen M4, or equal, emergency lights, red in color, will be installed (one on each corner). Controls for exterior emergency lighting shall be located in the interior of the trailer near the interior lighting controls.

**GRAPHICS**

\_\_\_ \_\_\_ The vendor shall supply graphics to the vehicle, the design of which will be furnished by Custer County.

\_\_\_ \_\_\_ The vendor shall apply decaling listing trailer clearance requirements in a location visible to tow vehicles.

**ELECTRICAL**

\_\_\_ \_\_\_ A split 120v/12v panel shall be installed. A twenty-five-foot (25’), fifty (50) amp removable shoreline cable shall be included.

\_\_\_ \_\_\_ An Onan, or equal, 8kW diesel generator will be mounted on the tongue with remote start, automatic transfer switch, and a thirty (30) gallon diesel fuel tank will be included. A treadplate cover will be installed.

\_\_\_ \_\_\_ Install 120v single or double duplex outlet plugins throughout the trailer. At a minimum install at the following locations:

- Two (2) single duplex outlets with USB power located within the conference area, with one (1) or two (2) outlets located under the TV and above the conference table.
- One (1) single duplex located behind the conference area TV location.

- One (1) double duplex outlet installed at each of the four (4) workstation locations, or two (2) single duplex outlets installed at each workstation.
- Two (2) additional single duplex outlets with USB ports installed throughout the workstation area for additional electronics.
- One (1) double duplex outlet or two (2) single duplex outlets installed in 12U half rack for equipment.
- One (1) single duplex outlet installed behind each TV system located in the workstation area.
- Four (4) single duplex outlets to be located throughout the streetside rear storage area. One (1) outlet to be located on rear wall approximately 6 feet high to be on its own circuit for the owner installed radio repeater and radio duplexer.
- Four (4) single duplex outlets located in the kitchenette area. One (1) for microwave, one (1) for refrigerator, and others located above the base cabinets.
- One (1) exterior weatherproof single duplex outlet installed at each of the two (2) entry door locations on the curbside exterior. Two (2) additional weatherproof single duplex outlets installed on the streetside of trailer exterior spaced evenly along trailer.
- Additional outlets may be installed.

**INTERNET CONNECTIVITY**

YES      NO

\_\_\_      \_\_\_      Install a Starlink Network Cable from interior 12U half rack to the exterior roof. Cable will terminate at the forward street side area of the trailer with thirty-six inches (36”) of cable left extended from roof. Cable roof termination shall be weatherproof.

**WARRANTY**

\_\_\_      \_\_\_      The trailer exterior body shall be warranted against corrosion perforation for a period of five (5) years, commencing upon delivery of the trailer.

\_\_\_      \_\_\_      The trailer frame shall be free of structural or design failure or workmanship for a period of seven (7) years, commencing upon delivery of the trailer.

\_\_\_      \_\_\_      The trailer interior shall be free of structure or design failure or workmanship for a period of three (3) years, commencing upon delivery of the trailer.

\_\_\_      \_\_\_      All trailer lighting, interior and exterior, shall be warranted against failure for a period of two (2) years, commencing upon delivery of the trailer.

\_\_\_      \_\_\_      Electrical wiring shall be warranted against failure for a period of three (3) years, commencing upon delivery of the trailer.

\_\_\_      \_\_\_      All OEM installed purchased parts and fabricated parts shall be free of defects in material and workmanship for a period of two (2) years, commencing upon delivery of the trailer.

**Please list explanations to any “no” answers to specifications below. Use additional paper if necessary.**

**BID PROPOSAL**

Manufacturer: \_\_\_\_\_

Model: \_\_\_\_\_

Name of Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

City / State: \_\_\_\_\_

Price of trailer being offered: \_\_\_\_\_

**BIDDERS CERTIFICATION**

It is hereby understood that Custer County (owner) has the right to evaluate this bid upon many bases of criteria, and the trade-in machines are available for appraisal at their present work site.

The County Commissioners reserve the right to hold the bids for a period of not to exceed 30 days.

Upon acceptance of any bid, the Custer County Disaster & Emergency Services shall withhold ten (10) percent of the bidder's net bid for at least thirty days after the delivery of said bid item to ensure compliance with all agreed upon specifications.

Trailer will be available for delivery on the \_\_\_\_\_ day of \_\_\_\_\_, 2024.

We hereby certify that the foregoing is a responsible bid. Any variations from the specifications are noted or attached. Copies of machine warranty guarantees are attached along with the required bid bond for the machine bid.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2024.

\_\_\_\_\_  
Dealer Name

\_\_\_\_\_  
Representative Signature

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
Address

\_\_\_\_\_  
Fax

\_\_\_\_\_  
City, State, Zip