

17-127

ITEM	PART C) INDIVIDUAL TRUCK OPTIONS	MARK COMPLY OR EXCEPTION
EMERGENCY LIGHTING/SIREN PACKAGE	Provide an NFPA compliant emergency lighting package for the truck including: <ul style="list-style-type: none"> - Roof mounted 60" LED light bar. - LED flashers on front of cab, sides of cab and bed, and rear of the truck. - LED Traffic Advisor. - Electronic siren system to include options for Yelp, Wail, Hi-Lo, and Public Address. - Remote controlled work/spot light. - Provide a console in the truck cab to accommodate controls for Emergency Lights, Traffic Advisor, and Siren. 	
ALTERNATE BODY	Provide and install an enclosure for the bed that includes: <ul style="list-style-type: none"> - Solid Roof. - Roll-up rear door. - Curtain sides. - Adjustable side posts. - Interior lighting. 	
SAFETY LADDER	Provide a safety ladder, rub rail mount, removable deck ladder, with storage rack. Storage rack installation location to be determined in consideration of other options.	
TOOLBOX 1	Provide and install one (1) 72" x 18" x 18" smooth aluminum toolbox with single, sealed, drop down door with keyed stainless steel T-latches. <ul style="list-style-type: none"> - Mounted on road-side of bed/body. 	
TOOLBOX 2	Provide and install one (1) 108" x 18" x 18" smooth aluminum toolbox with three (3), sealed, drop down doors with keyed stainless steel T-latches. <ul style="list-style-type: none"> - Mounted on curb-side of bed/body. 	
GENERATOR	Provide and install a PTO powered AC generator, minimum 15 Kw, and electrical distribution system/panel including weather tight 120V and 240V circuits, each with its own circuit breaker.	
REAR SUSPENSION	Provide and install an air-ride suspension for the rear axle, suitable for the intended use of the truck.	
EXTENDED WARRANTY	Provide options for extended warranties that cover Truck Chassis and/or the Truck Body.	

*Use of a specific brand is for reference only.

BUMPER	An ICC bumper shall be provided.	
HITCH PLATE	A hitch plate will be provided to include: <ul style="list-style-type: none"> - Pintle hook, minimum rating of 25 tons. - D-rings, minimum rating of 15,000#. - 7-way flat-blade trailer plug. 	
MATERIAL TIE DOWNS	8- web winches, bottom mounted, sliding, deep storage, minimum 6,000# working load limit. 8 - 4" x 27' winch straps with flat hooks, minimum rating of 5,400#. 2 - winch bars for tie down winches.	
WHEEL CHOCKS	Provide a set of two (2) heavy duty aluminum wheel chocks. Also provide and install mounting brackets in a location to be determined, in consideration of other options.	
FORKLIFT ACCOMMODATION	The truck chassis and flat bed will be configured and equipped to accept and safely transport a truck mounted forklift, specified separately.	
LIGHTS	Vehicle to be equipped with DOT compliant L.E.D. marker, stop, turn, tail and backup lights. <ul style="list-style-type: none"> - Ground lighting shall be provided around the perimeter of the deck. - Work lighting shall be provided that will illuminate the bed area. 	

NFPA DATA PLATE	Provide and install an NFPA compliant data plate containing pertinent truck data, including all accepted options. Location to be determined.	
WARRANTY	Dealer to state standard warranty coverage. Note: Chassis warranty to begin when the completed vehicle is accepted by Summit County EMA. Dealership will be allowed a <u>maximum</u> of eight (8) hours to notify the Summit County EMA of diagnostic findings for warranty repairs needed. A <u>reasonable and customary</u> amount of time will be allowed to perform the warranty work. If warranty repairs can not be performed in a reasonable and customary time, then the Summit County EMA <u>must</u> be notified immediately. Past and present performance of warranty repairs may be considered in making this award and any future bid awards.	
MANUALS AND TRAINING	All manuals may be furnished in CD/Electronic format: Two (2) Technician's Service Manuals. Two (2) Parts Manuals. Two (2) Operator's Manuals. Two (2) Line Setting Tickets. Minimum of eight (8) hours of training provided to a minimum of two (2) Summit County Mechanics at the Summit County Service Garage. Option: Factory authorized software/program to access vehicle specific information for parts and repairs.	
	PART B) FLAT BED BODY	
FLAT BED DECK	A flat-bed deck with a minimum width of 96" and minimum length of 240" shall be provided with the following features: - Long sills shall be minimum 7" x 11.5# tensile strength. - Outside stake pockets & tie rails on body sides. - Cargo tie bars, 3/8" x 2.5" on both sides underbody mount. - Rubberized anti-slip flooring shall be used for the deck. - Bulkhead of 3" steel channel x 60" tall: #6 expanded metal top; 3/16" smooth steel bottom. - Steel portions of deck to be powder coated black in color prior to being mounted to truck.	
SAFETY STRIPING	<u>D.O.T. Reflective Striping:</u> D.O.T. compliant reflective striping shall be provided on appropriate surfaces. <u>N.F.P.A. Reflective Chevrons:</u> N.F.P.A. compliant reflective chevrons shall be provided on appropriate surfaces.	
MUD FLAPS	24" x 36" rubber no-sail type with no logos facing rear.	

SAFETY EQUIPMENT	<p><u>Cab Entry Grab Handles:</u> Exterior mounted handles, bright aluminum or chrome or interior mounted handles, steel painted safety yellow, bright aluminum or chrome.</p> <p><u>Seat Belts:</u> Driver and passenger shoulder and lap belts to be Safety Red.</p> <p><u>Safety Circuitry:</u> To include seat occupancy sensors, seatbelt switches, Vehicle Data Recorder and seat sensor harness, and reflective safety labels.</p> <p><u>Fire Extinguisher:</u> 5 lb. ABC Fire Extinguisher or equavilent* mounted in a location to be determined.</p> <p><u>Safety Triangles:</u> Three (3) triangles in red storage box mounted in a location to be determined.</p> <p><u>Back-up Alarm:</u> 97 db. Minimum, alarm mouted near rear of frame.</p>	
SAFETY STRIPING	<p><u>D.O.T. Reflective Striping:</u> D.O.T. compliant reflective stiping shall be provided on appropriate surfaces.</p> <p><u>N.F.P.A. Reflective Chevrons:</u> N.F.P.A. compliant reflective chevrons shall be provided on aproprate surfaces.</p>	
CHARGING SYSTEM	<p>Provide and install a Kussmal, or equavilent*, battery charging system with auto eject.</p> <ul style="list-style-type: none"> - The plug shall be mounted in the side of the cab. - System to include a jockey pump to maintain truck air system pressure. - The charging display mounting location to be determined, in consideration of other options. 	

	<p><u>Passenger seat</u> to be non-suspension high back with integral headrest, vinyl covered.</p>	
GAUGES	<p>Instrument center section to be flat. All gauges to be analog type. Instrument cluster to include speedometer, tachometer, fuel, oil pressure, water temp., volt meter, transmission oil temp., DEF level, and air pressure gauges. Dash to include air filter restriction gauge and warning lights for low oil pressure and high coolant temperature.</p>	
HOOD	<p>Molded fiberglass tilt hood capable of opening fully and include interior rubber mud flaps to close gap between hood and frame rails and not allow road debris to enter the engine compartment. Grille mounting to be stationary allowing tilt hood to open without interference.</p>	
PAINT	<p>Cab to be painted Red. Paint to be DuPont Imron 5000 polyurethane enamel or equivalent*. Color code to be determined at time of order.</p>	
LETTERING	<p>Lettering and Decals shall be applied to the truck per guidelines from Summit County Special Operations Response Team.</p>	
MIRRORS	<p>Heated west coast style mirrors with integral or individually mounted convex mirrors. Brackets and mirror heads to have a bright exterior finish. Mirrors heads to include clearance LED marker lights.</p>	
EXHAUST SYSTEM	<p>Exhaust system routing to provide for a clean C/A above and below the frame rail. Truck to have a vertical exhaust stack mounted at the right side of the cab. Exhaust to include a turn back type tailpipe with non-bright finish. Muffler and tailpipe guard to be bright stainless steel.</p>	
ALUMINUM FUEL TANK	<p>Aluminum fuel tank having a minimum capacity of 50 US gallons, step tank, frame mounted with lower step for easy entry into the cab. Tank straps to be bright finish stainless steel. Fuel tank mounted under left side of cab.</p>	
DEF TANK	<p>Mounted on the same side as fuel tank and have a minimum capacity of 6 US gallons.</p>	
FRONT BUMPER	<p>Factory installed chrome bumper with removable tow hooks.</p>	
KEYS-ALL ALIKE USING PREVIOUS CODE	<p>One key to operate both the door lock and ignition cylinder. Truck to be ordered with the same key code as the last vehicle purchased by the Summit County EMA. 5 keys per vehicle required.</p>	

CHASSIS LIGHTS	Vehicle to be equipped with DOT compliant L.E.D. marker, stop, turn, tail and backup lights. Headlights to be the high intensity type.	
CAB	<p>All aluminum, hucked, conventional cab with piano-style door hinges, one piece windshield, air ride and the following standard equipment;</p> <ul style="list-style-type: none"> - dual arm rests - dual sun visors - interval electric wipers with washer - dual electric horns - interior cab light - two post terminal type power point - cab entry external grab handles - tinted safety glass - power-assist steering with adjustable tilt-steering column - vinyl floor mat 	
HORNS	Factory installed air horn mounted under the cab. Dual electric horns with steering wheel mounted switch.	
AUXILIARY BODY SWITCHES AND HARNESS	<p>Chassis to be equipped with a minimum of two (2) switches mounted in the instrument panel used for the operation of auxiliary vehicle lighting.</p> <p>How many up-fitter switches can be provided?</p> <p>Chassis wiring harness to include:</p> <ol style="list-style-type: none"> 1. Allison ECU mounted in the cab. 2. Rear of frame, accessory controlled wiring for Stop/Tail/Turn and back-up lights that the body builder will be installing. 3. Includes wiring for standard left and right tail lights and separate 8' of extra cable wiring for left and right body mounted tail lights. 4. Electric Trailer Brake/Lights, accommodation package to rear of the frame for combined trailer stop/tail/turn and marker light circuits. Includes electric trailer brake accommodation package with cab connection for customer installed electric brake controller. Trailer socket not furnished. 5. 12 V. power receptacle. 6. Two (2) Way Radio wiring, provides a fused 20-amp battery feed power wire, core circuit, ground wire, and fuses 5-amp ignition feed for two-way radio communications for government agencies. 7. Pre Trip Inspection, will cycle all exterior lights except back-up lights. 	
SEATING	<u>Drivers seat</u> to be air suspension, high back with integral headrest, vinyl covered, isolated with two position front cushion adjustment, 6 to 23 degree seat back adjustment with air lumbar support	

ENGINE	<p>Diesel engine having a minimum of: 320 HP @ approximately 2,200 RPM. Engine to be turbo-charged with air-to-air inter-cooler. State engine manufacturer and model to be supplied. Engine shall use Diesel Emission Fluid</p>	
TRANSMISSION	<p>Allison 3000RDS 6-speed or equivalent* Wiring harness to include spare input/output connectors. Shift selector to be touch pad type, mounted to the dash panel. Power Take Off provision.</p>	
AXLE RATIO SELECTION	<p>Axle ratio to be determined by the chassis or engine manufacturer's computer software for best balance of performance and fuel economy. Ratio selected to meet the following criteria: Minimum start ability requirement of 17% to 20%. Maximum cruise speed of 65 mph. Capable of pulling inner city grades of 18% at a minimum of 10 mph.</p>	
WHEELS & TIRES	<p>Front: Tires - Goodyear G289 WHA 315/80R22.5 20PR, 43.1 inch diameter, or equivalent* Wheels - Alcoa 89U22.5x9 AL Ultra One Wheel, or equivalent* Rear: Tires - Goodyear G182 RSD 11R22.5 16 PR, 42.1 inch diameter, all position, 19.6 inch SLR, or equivalent* Wheels - Alcoa 88367 22.5.5x8.25, aluminum with Lvl 1 finish, hub pilot mount, or equivalent*</p>	
AIR COMPRESSOR	<p>Bendix or equal, having a minimum air delivery of 18.7 CFM.</p>	
COLD STARTING AIDS	<p>Engine to be equipped with the following</p> <ol style="list-style-type: none"> 1) Intake air grid heater. 2) Block heater receptacle attached to a "Y" cord that heats the engine coolant and the fuel. Block heater receptacle to be mounted below the driver's door. 	
STARTER	<p>Starter shall be compatible with a 12 volt electrical system.</p>	
ALTERNATOR	<p>Alternator shall have a minimum capacity of 300 amps, and be compatible with a 12 volt electrical system.</p>	
BATTERIES	<p>4 Group 31 batteries with threaded posts capable of 2800 CCA compatible with a 12 volt electrical system. 2 Battery disconnects should be mounted in the battery box.</p>	

ITEM	SPECIFICATION	MARK COMPLY OR EXCEPTION
	PART A) CAB AND CHASSIS	
NUMBER OF UNITS	One (1) - 2016 or newer, tandem rear axles 5 Ton Cab and Chassis for on-road, severe-duty usage. Kenworth T300 Series Conventional or equivalent* Chassis will be equipped with a flat bed and be suitable for towing a truck mounted forklift.	
G.V.W.R.	35,000 lbs. minimum. NOTE: All chassis, suspension, brakes, wheels & tires shall meet GVWR.	
CAB TO AXLE	Approximately 204"	
CAB TO BED	Approximately 3"	
WHEELBASE	Approximately 272"	
CAB TO END OF FRAME	Approximately 311"	
AXLE TO END OF FRAME	Approximately 107"	
FRAME	Full frame double "C" channel, having a minimum section modulus of 17.8 and minimum RBM of 2,132,000 in.-lbs. - Should include two (2) heavy-duty centerbearing crossmembers.	
F.G.A.W.R.	Minimum 14,000 lbs.	
FRONT AXLE	Minimum of 18,000 lbs., Meritor or equal.	
REAR AXLE	Minimum of 46,000 lbs., Single speed, non-locking, Dual Meritor RT46-160, or equivalent*.	
ENGINE ELECTRICAL PARAMETERS	Cruise Control to be enabled. Maximum speed to be set at 65 mph. Electronic, stationary, variable speed control to be on. Service interval to be on and set for 3,000 mile interval.	

ITEM	SPECIFICATION	MARK COMPLY OR EXCEPTION
PART (A) TRUCK MOUNTED FORKLIFT		
NUMBER OF UNITS	One (1) - 2016 or newer, self-propelled, diesel powered, truck-mountable forklift. Manitou TMT 55 or equivalent*	
ENGINE	Minimum of 49 Horse Power diesel engine, equipped with a block heater.	
LIFT CAPACITY	The minimum for Maximum Lift Capacity shall be 5,000 lbs.	
LIFT HEIGHT	The minimum for Maximum Lift Height shall be 135".	
REACH CAPACITY	The unit shall have the capacity to reach forward up to 58".	
LIFT CARRIAGE	The lift carriage shall include forks 48" long, side-shift capability, spacing between the forks shall be adjustable, and the lift carriage shall have a load backrest.	
OPERATORS STATION	The Operators Station shall be enclosed with roll-over protection and rain/snow protection.	
LIGHTS	The unit shall be equipped with Safety Lighting, work lighting, and be pre-wired for a DOT light package	
SAFETY STRIPING	<u>D.O.T. Reflective Striping:</u> D.O.T. compliant reflective striping shall be provided on appropriate surfaces. <u>N.F.P.A. Reflective Chevrons:</u> N.F.P.A. compliant reflective chevrons shall be provided on appropriate surfaces.	
BACKUP ALARM	The unit shall be equipped with a backup alarm.	
MIRRORS	Two (2) mirrors shall be provided and installed on the sides of the Operators Station.	
TRUCK MOUNTING PACKAGE	The unit shall include the necessary accessories/kit to mount the forklift on the rear end of a truck for transport.	
PART (B) INDIVIDUAL OPTIONS		
4-WAY STEERING	Upgrade the forklift to include 4-way steering.	
COVER FOR OPERATORS STATION	Provide a system to cover the Operators Station and protect it from weather and road grime during storage and transport.	

*Use of a specific brand is for reference only.

TRUCK AND TRUCK MOUNTED FORKLIFT BID REQUIREMENTS - 2.15.17

The Summit County Emergency Management Agency is requesting bids for the Ohio Region 5 Type II Collapse Search and Rescue (CSAR) Team. The Ohio Region 5 Type II CSAR Team utilizes multiple types, kinds and sizes of technical rescue equipment distributed across two rescue vehicles and trailers. The team has identified a need for a specialized flatbed heavy duty truck. A specialized flatbed heavy duty truck will be used for towing and hauling/moving equipment. Unlike standard vehicles, this vehicle will be equipped to mount and haul an all-terrain forklift at the end of the truck bed by one operator.

GENERAL REQUIREMENTS

All specifications contained herein are considered minimum requirements for providing a truck and truck mounted forklift for the Ohio Region 5 Type II Collapse Search and Rescue Team.

BID RESPONSE

Any exceptions to minimum specifications shall be described in detail on a separate page attached to the bid response titled "EXCEPTIONS & CLARIFICATIONS".

If no exceptions/clarifications are noted, the bid response will be deemed to be in full compliance.

Each bid must be accompanied by an itemized quote and set of detailed contractor's specifications.

The following specifications and characteristics must be met with no deviations. These are the minimal acceptable properties of the system.

Certified Estimate: \$158,500.00

