

TriVan Truck Body

1385 West Smith Road
Ferndale, WA 98248

Ph (360) 380-0773 www.trivan.com
Fax (360) 312-1398

Estimate

Date	Estimate #
7/25/2022	9623

Name / Address
El Dorado County Sheriff's Office 200 Industrial Drive Placerville, California 95667

Ship To
For: Troy Morton SWAT team rig

P.O. No.	Terms	Due Date	Rep	Account #	FOB	Project
TBD	Net 30	7/31/2023	Ryan		Placerville	

Item	Description
SPECIALTY VAN	<p>BUIID TIME IS APPROX 270 DAYS AFTER ARRIVAL OF CHASSIS: *** This quote expires AUGUST 25/2022 *** This quote is per the drawings provided July 22 2022</p> <p>SWAT VAN BODY: 17'L(od) x 8'W(od) x 7'H(id) TriVan Aluminum Van Body:</p>
GENRL DESC	<p>GENERAL DESCRIPTION: This van body will be used by El Dorado County Sheriff as a SWAT equipment vehicle with 14 individual gear lockers, 4 full height equipment lockers along Pass. Side, plus (2) drawers for ATF munitions storage. Body to have a square 36" long over-cab extension, full skirting, generator compartment and Onan Cummins gas generator. Van body to be installed on a County-provided new 2022 Cab-chassis, sized to suit a 17' box. Van body is aluminum constructed with urethane insulation, full linex flooring (spray on bedliner). Each gear locker includes shelf, hanger hooks and clothes hanger bar and one power outlet with USB, all-aluminum construction. All interior cabinets are to be aluminum & painted white, TriVan-built. Entry to the body will be via (2) 24" rear swing doors.. No side door requested. The rear bumper will be extra deep (14" deep) with a 14"D foldout step. Body is Snap-Lock aluminum extruded shell with a steel subframe. The van body interior will be fully insulated with 2" urethane insulation lined in white aluminum sheeting. Aluminum diamond plate floor is coated in black bedliner with 6" dishup. Climate control includes (1) roof-mount A/C unit, plus a service panel powered by a 7kW gas Cummins generator installed in an exterior sound attenuated compartment. Includes LED interior and exterior scene lighting, Whelen red/blue emergency lighting & siren, transfer switch, battery charger, 30A shore power plug. The chassis, separate from this price proposal, will be supplied by El Dorado County. Chassis will be delivered as white, and TriVan to paint both the body and the cab olive green, as previous bomb squad unit. Layout drawings will be presented to El Dorado County Sheriffs Department for approval prior to TriVan starting the build process. El Dorado County Sheriffs Office to inspect & approve completed vehicle at TriVan. TriVan to deliver completed truck to Placerville CA</p>
CHASSIS INFO	<p>CHASSIS INFO (COUNTY-PROVIDED): 2022 Ford F550 4WD regular cab and chassis, gas engine, white, 120" cab-axle to suit 17' length van, and equipped with gas engine, automatic transmission, air conditioning, cruise control, power door locks, power windows, (2) bucket seats, white exterior. El Dorado County will arrange shipping of this cab-chassis to TriVan Truck Body. TriVan to drive-deliver the completed truck to Placerville CA, including weight slip. Chassis was provided in OEM white: TriVan to repaint green to match the green body.</p>

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DIMENSIONS	DIMENSIONS: Length: 16' ID (plus 3' over-cab extension), 17'OD Width: 8' OD Height: 7' ID					
DESIGN DRA...	DESIGN DRAWINGS: AutoCad design drawings shall be provided for El Dorado County Sheriff approval prior to manufacture					
SUBFRAME I-...	SUBFRAME: Subframe constructed of steel cross-members 16" on center with longsills to suit supplied chassis. Flat floor (no wheel-wells) Tubular steel longsills. Standard body mount (U-bolt) to suit Ford F550 application. UHMW chassis rail isolation strips included.					
BUMPER	STEP BUMPER: 14" deep TriVan step bumper, constructed of non-slip galvanized Grip-Strut. Reinforced frame is bolted to chassis frame rails.					
FOLDOUT STEP	FOLDOUT STEP: Approx. 50"W x 14" deep hinged foldout step off rear bumper: non-slip galvanized Grip-Strut surface. Step includes a STAINLESS STEEL spring-loaded barrel bolt to secure it in the stowed position.					
DOORS	REAR DOORS: (2) 24"W swing out rear doors. fully insulated and lined with aluminum. Each upper door includes a 16"W x 24"H dark tint, fixed non-thermo window. Door handles to be 2-point paddle style with rotary slam latches. Each door also includes a firetruck style horizontally installed grab handle. Exterior of each door includes a cast alum. holdback to hold doors fully opened against the exterior wall of body.					
WALLS	WALL CONSTRUCTION: Snap-Lock panel body construction with 3'L sloped kickover and full skirt.					

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SKIRTING	SKIRTING: Full skirt (integral with wall) installed along both sides of body, flush with bottom of Ford cab. Rounded wheel cutouts with aluminum skirt trim. Includes a tapered angle of departure behind rear axle on both sides.
KICKOVER	KICKOVER: 36 inch length square kickover, insulated & lined to match rest of body. Includes 4" retainer lip inside body. Note that this area will house the service panel and the munitions storage compartment plus will provide space for radio/cell phone recharging.
ROOF .040	ROOF CONSTRUCTION: 1 piece .040" aluminum roof, with reinforcement and opening for a roof mounted A/C unit. Roof is crowned for water runoff. Hat-shaped cross-members 16" on center.
OTHER	MUNITIONS STORAGE CABINET: Supply & install a double-drawer storage chest in over-cab extension. To be approx 24"W x 16"H x 22"D. Each drawer is lined in plywood and indoor/outdoor carpet to meet ATF standards. Drawers are key-lockable. Outer cabinet is TriVan 1/8" aluminum construction with double-doors and an upper fixed shelf. Painted white.
FLOORING	FLOORING: BEDLINER OVER DIAMONDPLATE: Full interior floor space of the body interior to be 1/8" aluminum diamond plate over 1-1/8" hardwood flooring subfloor. Flooring walk area to be sprayed in black anti-skid bedliner, including up the base of the lower lockers, up the front wall, and 10" up the base of the inside face of the rear doors.
INSULATION	URETHANE INSULATION: 2" urethane spray-foam insulation in walls, ceiling & under floor. All doors to be insulated, too.
LINING	INTERIOR LINING: Complete interior (walls & ceiling) lined in white aluminum sheeting (installed with fasteners) including inside faces of rear doors. TRIMOUT: Aluminum trimout & interior finishing, as necessary.

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EXTERIOR CO...	GENERATOR COMPARTMENT: Sound-attenuated aluminum double-door exterior storage compartment, to suit 7kW gas Cummins generator. Compartment is located on driver side of vehicle, very front. Sized to suit closed door operation. Generator is plumbed to chassis fuel tank. The compartment doors are TriVan constructed with stainless hinges and slamming paddle latches.					
EXTERIOR CO...	UNDER BODY COMPARTMENTS: QUANTITY 3: Supply & install 1/8"ga aluminum under body storage compartments, as seen on San Joaquin Sheriff SWAT truck, each compartmente has an aluminum door with gas lift struts, slamming paddle handle with rotary latches. Each compartment has a slide out bin, 250lb capacity, with 4"H drawer and lock out mechanism on the slider hardware so that the drawer stays fully opened in the locked position. Full interior of bin is unpainted, mill finish aluminum. Each slide out drawer includes a thick rubber floor matt installed.					
CABINETY A...	GEAR CUBICLES: QUANTITY 14: ALONG DRIVER SIDE: All cabinetry is fabricated by TriVan using aluminum. No doors, just open faced cubicles x 14. 2 parallel rows of 7 cubicles, each approx 27"W x 40"H x 20"D. Each gear cubicle has a 2" retainer lip on its floor, a clothes hanger bar, 3 hanger hooks and an adjustable shelf. Each cubicle also is equipped with a 120V duplex plug/outlet with built-in USB charge ports. All cubicles are painted white, glossy PPG.					
BENCH-SEATI...	BENCH-SEATING: deleted!					
CABINETY A...	INTERIOR GEAR AND EQUIPMENT CLOSETS: QUANTITY 4: ALONG PASSENGER SIDE: Along full length of passenger side interior, fabricate and install (4) maximum size (height) gear and equipment closets, all-aluminum construction, (with lockable shutter style rollup doors): Each locker has a ROM brand satin-anodized aluminum shutter door, and (3) infinitely adjustable aluminum shelves (each with a full perimeter 2" tall lip, and rubber matts) Also each gear closet has (1) duplex outlet. The shelves can slide up and down the Unistrut tracks and then can be tightened (bolt/nut) into place at desired height.					

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12V ELECTRI...	12V ELECTRICAL: Exterior lighting to FMVSS, including bullet style LED clearance lights (4) oblong shaped LED stop-tail-turn lights (installed at taper) (2) oblong shaped LED reverse lights (installed at taper) LED license plate light as space available. TriVan to provide all scene lighting and interior ceiling lighting.					
12V ELECTRI...	12V ELECTRICAL: MASTER DISCONNECT SWITCH: Supply & install a master disconnect switch (location in cab, adjacent to edge of driver seat) that cuts off power to body from the auxiliary battery package. Note: all auxiliary lighting on body (interior dome lights) to be powered by the auxiliary battery bank, not chassis batteries.					
12V LIGHTING...	12V ELECTRICAL: DOME LIGHTS: Supply & install (8) ceiling LED cargo lights installed. (Maxxima M84434RW) c/w switch at rear door.					
VENT-POWER...	12V ELECTRICAL: POWER ROOF VENTS: Supply & install (2) Fantastic 4000R 12V ceiling fans (reversible) installed on ceiling of van body. Both fans are spaced evenly on ceiling. *** Both fans have an external "Maxxair" vent covers installed ****					
BATTERIES	12V ELECTRICAL: AUXILIARY BATTERY PACKAGE: Supply & install (2) Group 31 deep cycle batteries, fixed-mounted, inside generator compartment. Installation by TriVan includes tiedowns, cabling, connectors, clamps, as necessary. These batteries (not chassis batteries) to provide all power to (future emergency lighting), dome lights, and other 12V body lighting. Batteries to be isolated from chassis batteries and to recharge whenever genset running or when body is plugged into shore power. Note that a master disconnect switch in cab (mentioned earlier) will disconnect all power downstream from auxiliary batteries. Note that the backup camera is the only item on the truck body that will be powered by the chassis battery.					

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INVERTER-20...	12V ELECTRICAL: INVERTER: CELL PHONE RECHARGE STATION: Supply & install (1) 2000W Pure Sinewave Inverter including control panel wired to a power strip in the over-cab extension (for recharging cell phones and robot battery). Installation includes BlueSea Class "T" fuse block (p/n 5502) and 400A fuse (p/n 4121) and automatic charging relay (p/n 7622) to allow battery charging from vehicle alternator. Inverter comes standard with (1) built-in GFCI plug receptacle.
12V ELECTRI...	12V ELECTRICAL: EMERGENCY LIGHTING & SIREN PACKAGE: Supply & install Whelen emergency red/blue lighting package, including (8) Whelen M9 sereis exterior lights (2 on each side of vehicle plus 2 on cab) as provided on El Dorado bomb unit. Includes a Federal Signal PA640 (or equivalent) light controller, with built-in PA system and siren controller. Siren includes a 100 watt siren speaker installed.
AWNING	12V ELECTRICAL: POWER AWNING: Supply & install a power awning on passenger side of vehicle, approx. 12' to 14'L, including mounting hardware and push-button controls in cab, passenger side.

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110V ELECTRI...	<p>110V ELECTRICAL PACKAGE: SERVICE PANEL, PLUGS, LIGHTS, SWITCHES: Square D service Panel, with 50A main breaker, installed inside van body as space available. All wiring is buried in the insulation.</p> <p>OUTLETS: (20) duplex interior plugs, each with built-in USB charge ports. 14 for driver side, 6 for passenger side.</p> <p>SHORE POWER: 30A shore power plug located on curbside exterior, as space available.</p> <p>TRANSFER SWITCH: Automatic transfer switch (AutoLyght or equivalent) installed to toggle between shore power and generator power.</p> <p>CONVERTER/CHARGER UNIT: Supply & install Samlex converter-charger unit (SEC-1230A) or equivalent, to recharge batteries when 110V power is present. Note that chassis start batteries are to be isolated from body load.</p> <p>NOTE: Dedicated circuit breakers for: A/C units, battery charger, Whelen scene lights, 110V interior plugs plus spares Note: the generator to run ALL 110V power loads (including the scene lights)</p>					
110V LIGHTS	<p>110V ELECTRICAL: WHELEN SCENE LIGHTS: Supply & install (6) Whelen Pioneer Plus Surface Mounted Scene lights: 2 on driver side exterior upper wall, 2 on passenger side exterior upper wall, 2 on rear wall top corners. Model PCPSM1AC. These are to be powered by the generator and will be on a dedicated circuit in the breaker panel</p>					
15000BTU AC ...	<p>110V ELECTRICAL: ROOF MOUNTED AC UNIT: Supply & install (1) roof-mounted 13,500 BTU RV style Air Conditioner Unit on a dedicated breaker.</p>					
HEATING	<p>110V ELECTRICAL: HEATERS: Supply & install (1) wall-mounted 1000W wall-mounted electric heater with speed-adjustable fan on a dedicated breaker.</p>					

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SHORE POWE...	110V ELECTRICAL: SHORE POWER RECEPTACLE: 30A weatherproof male shore power receptacle installed on exterior curbside of body, with wiring to service panel. Shore power to only operate exterior/interior lights, plugs & switches (not the roof-mounted air conditioner)					
TRANSFER S...	110V ELECTRICAL: TRANSFER SWITCH: Automatic transfer switch, included, between shore power & genset.					
ONAN GAS 7KW	CUMMINS GAS GENERATOR: Supply & install Onan 7.0kW gas generator (Commercial Marquis Gold Model 7.0HGJAE-1912: 2880RPM, 120/240V, 2-Pole 30A C.B.) Installation includes exhaust kit to suit, wiring harness, remote start-stop switch panel with hour-meter and plumbing into truck fuel tank. Installed in a vented, weatherproof exterior compartment (priced separately)					
BACKUP CAM...	BACKUP CAMERA: Supply & install (1) backup camera installed at exterior rear, including in-cab 5.8" LCD screen. This unit is to be powered by the chassis battery (not by the auxiliary battery bank)					
PAINT	VAN BODY PAINT: Van body exterior (including roof) painted drab olive green to match cab. TriVan will also paint the cab the same color, not including the door jambs. Step bumper, hitch assembly and rear bumper flipout step to be painted BLACK. INTERIOR PAINT: Walls & ceiling to be lined in pre-painted white aluminum (fastened with screws) All interior cabinetry (frames, door faces, drawer faces) to be painted light grey. Insides of overhead cabinets inside to be left unpainted. Interiors of all interior cabinets to be left in mill finish aluminum.					
DURABED	SPRAY-ON BEDLINER: Apply spray-on black Durabed to full body interior floor space, including 6" up side walls & front wall.					
DECALS	DECALS & GRAPHICS: Not part of this quotation.					

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MOUNTING	MOUNTING & INSTALLATION Van body mounted to 2022 Ford F550 cab-chassis including U-bolt installation hardware and UHMW isolation strips					
FINISHING STD	UNDERCOATING, MUDFLAPS, FINISHING: Body undercoated. 1 pair of rubber mudflaps with metal anti-sway brackets, Reflectors to meet FMVSS 2 firetruck style large grab handles at rear of body entry, as space allows					
DELIVERY	DELIVERY: Drive deliver completed truck to El Dorado County Sheriffs, Placerville California, including weight slip.					
DESIGN DRA...	DESIGN DRAWINGS: AutoCad design drawings shall be provided for customer approval prior to manufacture BUILD TIME: Build time is approximately 270 days after receipt of customer-provided cab-chassis.					

Subtotal	USD 222,732.39
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Total	USD 222,732.39