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www.ldvusa.com

**PRELIMINARY
SPECIFICATIONS FOR:**

SANTA ROSA PD (CA)
MOBILE HOSTAGE NEGOTIATION UNIT

LDV PROPOSAL # C24MCC-35590-23

DATE
~~APRIL 18, 2023~~
MAY 5, 2023 REV2



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PRICING PAGE: (HGAC contract AM10-20)

Total price per unit as specified, FOB Origin	\$298,960.00
Discount amount	-\$21,525.00
HGAC discounted price for 1 unit as specified	\$277,435.00

Contract Administration Fee - HGAC	\$1,000.00
HGAC discounted price for 1 unit as specified with Contract Admin Fees	\$278,435.00
Delivery charge to Santa Rosa, CA	\$8,540.00

Total price per unit	\$286,975.00
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Delivery terms: Ask your Sales Representative.

Payment Terms: Net 30.

Quote is firm for until July 15, 2023

Quoted price does not include any applicable FET, federal, state or local tax unless specified.

*Estimated sales tax of 9.25% on total sale price is \$26,545.19,

*LDV does not collect any CA state sales taxes.

Item	Qty	
1.00		<u>CHASSIS:</u>
1.01	1	NEW Ford E-450 Cutaway Base SD chassis; 158" wheelbase, dual rear wheels • Engine: 7.3L V8 gas • Transmission: Electronic 6-speed Automatic with overdrive, includes tow/haul. • 4x2 rear wheel drive • 14,500 GVWR
1.02	1	Spring upgrade installed on rear suspension.
1.03	1	US DOT triangle reflector kit with three (3) triangles, for compliance with FMCSA regulations. Includes plastic storage case. Kit will be shipped loose in the vehicle.
1.04	1	Stainless steel wheel liners with braided stainless steel valve stem extenders.
2.00		<u>BODY:</u>
2.01	1	Load space area shall be 83" high x 93" wide x 14' long custom dry van body with the following: Aerodynamic cap on front bulkhead unit with 26" sliding door access to cab. One (1) 32" wide x 80" high sedan door with fixed window FRP front wall Aluminum .040 walls. 18ga galvanized 1-1/8" Z-posts on 16" centers. Aluminum roof 1-1/8" tongue & groove plywood floor. 8" steel treadplate full step bumper
2.02	1	Exterior heavy-duty knurled aluminum grab handle with chrome plated stanchions, installed at entry door.
2.03	1	Interior heavy-duty knurled aluminum grab handle with chrome plated stanchions, installed at entry door.
2.04	1	Automatic LED courtesy light at entry door.
2.05	1	Courtesy light defeat switch.
2.06	1	Lippert Treadlite 30" wide - single - automatic electric steel entry step mounted under entry door. Product features: • Automatic LED ground light • Hold/Cycle switch that allows step to remain extended unless ignition is turned on. NOTE: Step light will be tied into courtesy light defeat.
2.07	1	Entire underside shall be undercoated. Includes floor extrusions, step wells and aluminum compartments.
2.08	1	LDV rear mud flaps. Includes anti-sail brackets when required.
3.00		<u>PAINT / GRAPHICS:</u>
3.01		Body base color shall be white.
3.02		Body paint base color shall be single color nonmetallic single stage paint from the roof line down.

Item	Qty	
4.00		<p><u>INDEPENDENCE ONYX INTERIOR:</u></p> <ul style="list-style-type: none"> • Wall Covering: Chrome Carpeting • Ceiling Fabric: Silver Mist Carpeting • Floor Covering: #150 Onyx PVC Flooring • Vinyl Coverings: #WH1-2140 Whisper Black • Cabinets: #EBT-2-2002 Black Powder Coated Aluminum available in RAL-7035 Grey on request Counters and Tables: #4880-38 Carbon Mesh Laminate <p>Note: Manufacturer reserves the right to substitute equivalent materials.</p>
5.00		<u>DRIVER / PASSENGER CAB AREA:</u>
5.01		<p>Cab Area Additions:</p> <ul style="list-style-type: none"> • Vehicle height sign on dash. • Vehicle shall have a Final Stage Vehicle Certification and Altered Vehicle Certification as required by Federal Motor Vehicle Safety Standards (FMVSS) 49 CFR Part 567.5 and 567.7 • Payload sticker in cab area with vehicle axle load ratings and available axle payload as built.
5.02	1	Color back up camera system with 7" LCD monitor and day/night camera. Camera includes a microphone for audio commands from a spotter to the driver during backing operations.
5.03	1	Rear view mirror mount bracket for back up camera monitor.
6.00		<u>WALLS, CEILING AND FLOOR:</u>
6.01		Install wood furring strips on interior body side posts and roof supports to provide space for the installation of insulation, conduit and electrical boxes.
6.02		Insulate walls with a minimum of 2-1/2" of fiberglass insulation. Cover interior body side posts with 1/2" plywood sub wall.
6.03		Cover sub wall with ribbed loop pile carpet.
6.04		Insulate ceiling with a minimum of 2-1/2" of fiberglass with an R-11 rating. Cover interior roof supports with 1/2" plywood.
6.05		Cover sub ceiling with Veelok 17-oz. ribbed loop pile fabric.
6.06		Floor underlayment to be 5/8" exterior grade tongue and groove structural plywood, 6 ply, face veneer plugged and sanded.
6.07		Lonseal Loncoin II Flecks non-skid commercial grade PVC flooring. The flooring shall be continuous, one piece full length, full width, no seams.
6.08		Vinyl cove molding (mop board) at base of wall, 2-1/2" high. Installed where required.
6.09	1	Flush pocket door installed on heavy-duty aluminum c-channel track with two (2) three-wheel roller trucks and soft open/close feature. Pocket door shall have recessed handle and magnetic closure to keep the door open/closed.
6.10		All bulkheads shall be covered with Kemlite 0.075" FRP. Trim exposed edges of bulkheads with rounded anodized aluminum trim where applicable.
7.00		<u>SEATING:</u>
7.01	2	Securement strap with buckle installed under counter to secure office chair.
7.02		<p>Fabricate and install fixed bench seating with removable cushions as shown on drawing.</p> <p>Bench seat cushions shall be covered in heavy-duty vinyl.</p>

Item	Qty	
7.03		<u>BENCH SEAT REQUIREMENTS:</u> <ul style="list-style-type: none"> • Foam for seat backs and bottoms shall be firm density. • All bench seating material must meet Federal Motor Vehicle Safety Standards part 571.302 Flammability of Interior Materials. • Material corners shall be squared or angled to fit precise cut of foam. • Foam shall be bonded to plywood backer with industrial grade adhesive. • Attachment of fabric/vinyl to backer shall utilize industrial grade upholstery staples.
8.00		<u>CABINETS:</u>
8.01		Custom fabricated aluminum cabinets located as shown on drawing. Cabinet specifications: <ul style="list-style-type: none"> • Base cabinets constructed of 0.080" powder coated aluminum with anodized aluminum frames. • Base cabinet doors are double shell, formed from a single sheet of 0.080" aluminum, with a 0.040" aluminum door back attached. • Overhead cabinets constructed of 0.064" powder coated aluminum with anodized aluminum frames. • Overhead cabinet doors are double shell, formed from a single sheet of 0.064" aluminum, with a 0.040" aluminum door back attached. • Overhead cabinet doors swing up with gas spring lift supports.
8.02		Radius edging incorporated as design permits.
8.03	3	Dry erase writing surface on overhead cabinet door.
8.04	3	LED light with on/off switch, mounted under overhead cabinet. NOTE: Locate: One (1) Above each workstation [qty2] One (1) Above rear street side counter in rear room
8.05	4	FRP shelf up to 24" wide with 2" lip at front edge.
8.06		Closet shelves shall be infinitely adjustable using mini B-line track and hardware.
8.07		Countertops shall be covered in 0.040" Wilsonart laminate. All exposed edges shall be covered with heavy duty flexible PVC T-molding.
8.08		Conference table covered in 0.040" Wilsonart laminate. All exposed edges shall be covered with heavy duty flexible PVC T-molding.
8.09	1	Powder coated 0.125" aluminum table leg.
8.10	1	120/240Vac Control Center, 12Vdc power panels, master disconnect switch and auto resetting breakers shall be located in cabinet as shown on drawing.
9.00		<u>HVAC SYSTEM:</u>
9.01	1	Fan-tastic Vent model 1450 3-speed reversible 12" power roof ventilator.
9.02	2	Low profile rooftop air conditioner. Includes: <ul style="list-style-type: none"> • 13,500 nominal Btu/hr air conditioner with condensate pump. • Ceiling Assembly with 6,000 Btu/hr heat strip

Item	Qty	
10.00		<u>AC ELECTRICAL SYSTEM:</u>
10.01	1	<p>Onan Commercial QG 7000 7kW 120 volt AC generator HGJAE mounted in custom fabricated all aluminum compartment. Product features:</p> <ul style="list-style-type: none"> • Sound rating at 10 ft (3 m) full load: 70 dB(A) • Cummins Onan OHV engine • Overspeed/underspeed protection • Fuel consumption is as follows: 50% load = 0.73 GPH, full load = 1.22 GPH <p>Compartment shall be constructed to the following specifications:</p> <ul style="list-style-type: none"> • Compartment shall be constructed from 0.187" aluminum with all welded seams. • Compartment shall have 0.125" aluminum 2" box pan door and 0.125" aluminum frame. • Door frame shall be riveted to the body and welded to the compartment. • Door shall have stainless steel hinge attached to the door and door frame with stainless machine screws. • Door shall be sealed with industrial grade neoprene gasket. <p>NOTE: Generator exhaust shall be routed to the street side of the vehicle.</p>
10.02	1	<p>ACData surge suppressor for protection of entire AC power system.</p> <p>Product features:</p> <ul style="list-style-type: none"> • UL listed: UL1449 3rd Edition • LED visual verification of status
10.03	1	<p>120/240Vac electrical control panel with the following features:</p> <ul style="list-style-type: none"> • 60A generator and 30A shore power main breakers • Six (6) AC UL listed magnetic/hydraulic branch circuit breakers with LED indicators • Digital AC voltmeter • Generator stop/start switch, generator hour meter • Shore power reverse polarity indicator
10.04		120Vac auxiliary control panels as required with UL listed magnetic/hydraulic circuit breakers and LED indicators.
10.05	1	Kussmaul Super 30 Auto Eject, 30A-120Vac shore power inlet, mounting plate with indicator light and 25-ft. 30A-120Vac shore power cord.
10.06	1	Marinco 30A-125Vac, locking, to 15A-125Vac, straight blade, one-piece adapter.
10.07	7	<p>20A-125Vac duplex receptacle. Receptacle is not dedicated to any installed equipment.</p> <p>NOTE: Locations:</p> <p>One (1) Below workstations #1 #2 [qty2] One (1) Electronics cabinet One (1) Curb side printer area One (1) Above workstations #1 #2 on the wall for TV prep [qty2] One (1) Above the rear conference table on wall for TV prep</p>

Item	Qty	
10.08	5	20A-125Vac duplex receptacle with dual USB charging ports. Receptacle is not dedicated to any installed equipment. NOTE: Loculations: One (1) each at street side workstations #1 and #2 (Qty.2) One (1) At street side, above counter top in rear room Two (2) Rear wall above conference table
10.09	1	20A-125Vac GFCI duplex receptacle. These receptacles are not dedicated to any installed equipment. NOTE: Located at Curb side exterior TV compartment
10.10	2	20A-125Vac exterior GFCI duplex receptacle. NOTE: Receptacle will be installed with a weatherproof cover. Locate: One (1) Rear street side, One (1) Rear curb side
10.11	1	Quad USB charging port. NOTE: Located in curb side exterior TV compartment
10.12		<u>AC WIRING REQUIREMENTS:</u> <ul style="list-style-type: none"> • All AC main wiring shall be stranded THHN wire and run in non-metallic liquid tight conduit. • All AC branch circuit wiring shall be stranded THHN wire (AWG 12 minimum) and run in non-metallic liquid tight and ENT conduit. • All electrical circuits and appliances shall conform to applicable national electrical codes.
11.00		<u>DC ELECTRICAL SYSTEM:</u>
11.01	1	80 amp electronic converter/charger. Product features: <ul style="list-style-type: none"> • Charges up to three banks of batteries at the same time. • UL listed for safety. • Manual reset circuit breaker. • Reverse battery protection. • Electronic current limiting. • High voltage protection.
11.02	2	6V Deep Cycle Glass Mat Batteries mounted in the interior.
11.03	1	Battery combiner automatically combines the battery banks during charging and isolates when no charging sensed on either bank. A three position control switch allows an operator to manually combine or separate batteries, to jump start engine or troubleshoot a failure.
11.04	1	12Vdc control panel with seven (7) UL listed magnetic/hydraulic circuit breakers with red LED indicators and 12Vdc digital voltmeter.
11.05	7	Light, Orion 6" LED, neutral white with polished bezel and voltage regulation.
11.06	4	Light, Orion 6" LED, neutral white / red with polished bezel and voltage regulation.

Item	Qty	
11.07	6	<p>Whelen C9 Series SurfaceMax LED Scene Light. 12VDC with chrome flange, model number C9SL.</p> <p>NOTE: Locate:</p> <ul style="list-style-type: none"> • Two (2) Street side • Two (2) Curb side • Two (2) Rear
11.08		<p><u>12VDC WIRING REQUIREMENTS:</u></p> <ul style="list-style-type: none"> • 2-gauge minimum copper stranded battery cable shall be used for 12Vdc main supply lines. All cable runs shall be full length, no splices. All cable terminals shall be staked and soldered. All cable shall be enclosed in convoluted polyethylene tubing and the ends of the cable shall be sealed with color-coded shrink-wrap identifying the function of the cable. • All added electrical branch circuits shall be protected from over-current by resettable circuit breakers appropriately rated for the load. Only circuit breakers shall be used in the installation of added electrical branch circuit wiring (plug type fuses are unacceptable). • Circuit breaker functions shall be identified by engraved or printed labels. • All added wiring for load runs of AWG 10, 12, 14, and 18, shall conform to MIL-W-16878/2 and/or UL1007/1569" • All added wiring for load runs of AWG 8, shall conform to MIL-W-16878/3 and/or UL1028 • Wire terminals for added circuits must conform to MIL-T-7928. Terminals shall be insulated, insulation grip, TYPE II, CLASS 2 and shall be crimped with tooling recommended by the terminal manufacturer. • All wiring shall be numbered or lettered on 6" centers minimum. • Wiring shall be protected from chafing and abrasion with convoluted polyethylene tubing (wire loom) as required. • Where wire passes through sheet metal, bulkheads and structural supports, plastic grommets shall be used to protect both wiring and wire looms. • All wire bundles shall be tied with trimmed nylon ties. • Extreme care shall be exercised to provide for easy serviceability of the system in future years. • Extreme care must be taken in the installation to avoid the engine manifold, engine exhaust, and muffler, which could expose the wiring to severe overheating during long periods of operation. Proper insulation and heat deflection panels must be installed in such areas. • A high-current 12Vdc system wiring schematic shall be provided. • These are the minimum acceptable 12Vdc wiring requirements.

Item	Qty	
12.00		<u>AUDIO / VIDEO:</u>
12.01	1	<p>Weatherproof single door exterior work station and TV/monitor compartment. Constructed from 0.125" aluminum with all welded seams and hinged at the top.</p> <p>Includes:</p> <ul style="list-style-type: none"> • Internal flip down work surface • LED strip light (illuminates when door is opened) • Gas charged lift support and locking latch <p>NOTE: Located: Curb side, Compartment to have the following:</p> <ul style="list-style-type: none"> • One (1) GFCI outlet • One (1) Cat6 Network jack • One (1) Quad, USB charging port <p>To be sized for customers Samsung 43" QLED TV QN43Q60AAFXZA</p>
12.02	4	<p>HDMI input jack, wall plate and cable.</p> <p>NOTE: Direct connected to TV's. Locate:</p> <ul style="list-style-type: none"> • One (1) workstation #1 wall plate at counter top and other end to be 2ft of slack for plugging HDMI cable in to customer installed TV • One (1) workstation #2 wall plate at counter top and other end to be 2ft of slack for plugging HDMI cable in to customer installed TV • One (1) rear conference table to wall plate at counter height and other end to be 2ft of slack for plugging HDMI cable in to customer installed TV • One (1) in exterior TV compartment, wall plate and other end to be 2ft of slack for plugging HDMI cable in to customer installed TV
13.00		<u>RADIOS:</u>
13.01		<p>Primary 12Vdc power leads for communications radios shall be minimum 2-gauge copper stranded wire with soldered crimp-on end connectors (gauge based on radio requirements). Cables shall be enclosed in convoluted tubing and function identified with colored shrink-wrap. Power to radios shall be controlled by a continuous-duty switch actuated by the auxiliary battery disconnect switch.</p>
13.02	1	<p>Prewire and make installation provisions for dual head communications radio. Installation includes:</p> <ul style="list-style-type: none"> • NMO-style base on the roof or antenna raceway, as applicable. • LMR195 antenna cable routed to radio transceiver location in Carlon Carflex ENT conduit. • 12Vdc power routed to radio transceiver location.
13.03	1	<p>Spare antenna runs from the Roof Raceway to the Electronics Rack in the Overhead Cabinet. Installation includes:</p> <ul style="list-style-type: none"> • NMO-style base on the roof or antenna raceway, as applicable. • LMR195 antenna cable routed to radio transceiver location in Carlon Carflex ENT conduit. <p>NOTE: These can be used for added cell modem or radios as needed.</p>

Item	Qty	
13.04	1	Single 3"H x 3"W x 12'L square aluminum tube antenna raceway on the roof of the apparatus. Antenna raceway will penetrate the roof at one location, to be determined. Includes the following: <ul style="list-style-type: none"> • 3" high x 3" long aluminum access cover at each antenna base location on the side of the tubing for access to antenna base and coax cable. • Access covers with watertight gasket and attached with four (4) stainless steel machine screws. Raceway tube to have nut-serts installed for access cover attachment. • Carlon Carflex ENT conduit routed from antenna raceway penetration location to radio transceiver locations.
14.00		<u>COMPUTER NETWORK AND EQUIPMENT:</u>
14.01	5	RJ-45 Cat6 computer network jack with Cat6 cable routed through Carlon Flex-Plus ENT conduit or raceway (as applicable). NOTE: Locate: <ul style="list-style-type: none"> • One (1) at each workstation (Qty.2) • One (1) at printer • One (1) rear conference room, above conference table • One (1) in curb side TV compartment
14.02	1	Leviton 69586-U12 (or current model) 12-port Cat6 rack mount patch panel.
14.03	1	Cable Certification Report confirming that network wiring complies with Cat6 specifications.
14.04	1	Pre-wire and make installation provisions for customer supplied printer/copier/scanner.
14.05	1	Make installation provisions for customer owned 5G wireless router with single modem. Includes weathertight box mounted on antenna raceway or roof for future mounting of antenna.
15.00		<u>MISCELLANEOUS ELECTRONICS:</u>
15.01	1	JR Products MGE32-A (or current model) 6X6 pass through door with key lock. This will allow cables to be passed into the vehicle.
16.00		<u>MISCELLANEOUS OTHER:</u>
16.01	1	Automatic Awning 12' Cadet Grey acrylic fabric (other colors available on request) electric awning with the following features: <ul style="list-style-type: none"> • Solid-state sensor automatically closes awning after detecting sustained winds • Exclusive Knee-Action Design prevents damage from sudden wind gusts • Heavy duty motor is fully contained in the roller tube, self-locks awning in travel position • Unique spring-arm mechanism automatically dumps accumulating rain water NOTE: Carefree Travel'r Location Curbside
16.02	1	5 pound dry chemical fire extinguisher.
16.03	2	Battery powered combination Carbon Monoxide and Smoke alarm.
16.04	1	Complete manual set, including the following (as applicable): <ul style="list-style-type: none"> • As-built specifications with interior and exterior drawings as used for production of the vehicle. • Chassis and body owner's manuals. • 12Vdc and 120Vac legends showing wire gauge, color, number and function. • 12Vdc high current wiring diagram illustrating the battery system, isolators, power converters, alternator, disconnect switches and control panels.

Item	Qty	
		<ul style="list-style-type: none"> • Roof top antenna placement drawing and legend identifying antenna placements and termination points. • Audio/Video cabling diagram. • Chassis and generator maintenance and service logs. • Battery maintenance information. • All individual component manuals and warranty registration cards as provided by component manufacturers. Customer is responsible for completing warranty cards and mailing them to manufacturers.
16.05	1	<p>TRAINING. An LDV representative will provide up to four (4) hours of orientation on LDV provided systems, as applicable:</p> <ul style="list-style-type: none"> • Generator start up and shut down procedure • AC and DC electrical systems operation • HVAC systems operation • Awning operation
16.06		LDV warranty of one (1) year/12,000 miles, whichever comes first, for manufacturer's defects in materials and workmanship. Refer to LDV warranty statement for details of warranty coverage.
16.07		<p>Note: Project scope does not include certain tasks or costs that are the responsibility of the customer unless clearly specified as LDV supplied. These items include, but are not limited to:</p> <ul style="list-style-type: none"> • Radio and telephone system programming. • Activation and service fees for cellular telephones, satellite telephones, satellite TV, satellite internet access. • Loading and configuring computer software. <p>In the event of a discrepancy between the drawing and specification, the specification will supersede. LDV reserves the right to make substitutions of equal quality and specifications of those listed in this document.</p> <p>Some component models change frequently. In the event that a specified component model becomes unavailable at the time LDV attempts to source it, LDV will provide a replacement model with equivalent or better features, as agreed upon with the customer.</p>