



CITY OF ESCONDIDO
PUBLIC SERVICES AGREEMENT

This Public Services Agreement (“Agreement”) is made and entered into as of the last signature date set forth below (“Effective Date”),

Between: CITY OF ESCONDIDO
a California municipal corporation
201 N. Broadway
Escondido, CA 92025
Attn: Lisa Rodelo, Deputy Director of Police Services
760-839-4905
("CITY")

And: Wisconsin LDV, Inc.
a Wisconsin corporation
180 Industrial Drive
Burlington, WI 53105
Attn: Jeff Mrnak
262-757-2455
("CONTRACTOR").

(The CITY and CONTRACTOR each may be referred to herein as a “Party” and collectively as the “Parties.”)

WHEREAS, the Parties desire to enter into this Agreement for the performance of the Services described herein.

NOW, THEREFORE, in consideration of the mutual covenants, promises, terms, and conditions set forth herein, and the mutual benefits derived therefrom, the Parties hereby agree as follows:

1. Description of Services. CONTRACTOR shall furnish all of the Services described in the Scope of Work, which is attached to this Agreement as Attachment “A” and incorporated herein by this reference (“Services”).
2. Compensation. In exchange for CONTRACTOR’s completion of the Services, the CITY shall pay, and CONTRACTOR shall accept in full, an amount not to exceed the sum of **\$1,573,235**. CONTRACTOR shall be compensated only for performance of the Services described in this Agreement. No compensation shall be provided for any other work or services without the CITY’s prior written consent. If this Agreement is amended at any time, additional compensation of CONTRACTOR contained in any subsequent amendments shall not exceed a cumulative total of 25% of the maximum payment provided for in this Section 2, unless approved by resolution of the City Council.

3. Performance. CONTRACTOR shall faithfully perform the Services in a proficient manner, to the satisfaction of the CITY, and in accord with the terms of this Agreement. CONTRACTOR shall be responsible for the professional quality, technical accuracy, timely completion, and coordination of all reports and other information furnished by CONTRACTOR pursuant to this Agreement, except that CONTRACTOR shall not be responsible for the accuracy of information supplied by the CITY.
4. Termination. The Parties may mutually terminate this Agreement through a writing signed by both Parties. The CITY may terminate this Agreement for any reason upon providing CONTRACTOR with 10 days' advance written notice. CONTRACTOR agrees to cease all work under this Agreement on or before the effective date of any notice of termination. If the CITY terminates this Agreement due to no fault or failure of performance by CONTRACTOR, then CONTRACTOR shall be compensated based on the work satisfactorily performed at the time of such termination. In no event shall CONTRACTOR be entitled to receive more than the amount that would be paid to CONTRACTOR for the full performance of the Services.
5. City Property. All original documents, drawings, electronic media, and other materials prepared by CONTRACTOR pursuant to this Agreement immediately become the exclusive property of the CITY, and shall not be used by CONTRACTOR for any other purpose without the CITY's prior written consent.
6. Insurance Requirements.
 - a. CONTRACTOR shall procure and maintain, at its own cost, during the entire term of this Agreement, insurance against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the Services, and the results of such work, by CONTRACTOR, its agents, representatives, employees, or subcontractors. Insurance coverage shall be at least as broad as the following:
 - (1) *Commercial General Liability.* Insurance Services Office ("ISO") Form CG 00 01 covering Commercial General Liability on an "occurrence" basis, including products and completed operations, property damage, bodily injury, and personal & advertising injury, with limits no less than \$2,000,000 per occurrence and \$4,000,000 general aggregate.
 - (2) *Automobile Liability.* ISO Form CA 00 01 covering any auto (Code 1), or if CONTRACTOR has no owned autos, hired (Code 8) and non-owned autos (Code 9), with limits no less than \$1,000,000 per accident for bodily injury and property damage, unless waived by the CITY and approved in writing by the CITY's Risk and Safety Division.
 - (3) *Workers' Compensation.* Worker's Compensation as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limits of no less than \$1,000,000 per accident for bodily injury or disease.
 - (4) If CONTRACTOR maintains broader coverage and/or higher limits than the minimums otherwise required by this Agreement, the CITY requires and shall be entitled to the broader coverage and/or the higher limits maintained by CONTRACTOR.
 - b. Each insurance policy required by this Agreement must be acceptable to the City Attorney and shall meet the following requirements:
 - (1) *Acceptability of Insurers.* Insurance coverage must be provided by an insurer authorized to conduct business in the state of California with a current A.M. Best's rating of no less than A-: FSC VII, or as approved by the CITY.
 - (2) *Additional Insured Status.* Both the Commercial General Liability and the Automobile Liability policies must name the CITY (including its officials, officers, agents, employees, and volunteers) specifically as an additional insured under the policy on a separate endorsement page. The Commercial General Liability additional insured endorsement shall be at least as broad as ISO Form CG 20 10 11 85, or if not available, through the

addition of *both* CG 20 10, CG 20 26, CG 20 33, or CG 20 38, *and* CG 20 37 if a later edition is used. The Automobile Liability endorsement shall be at least as broad as ISO Form CA 20 01.

- (3) *Primary Coverage.* CONTRACTOR's insurance coverage shall be primary coverage at least as broad as ISO CG 20 01 04 13 with respect to the CITY, its officials, officers, agents, employees, and volunteers. Any insurance or self-insurance maintained by the CITY, its officials, officers, agents, employees, or volunteers shall be in excess of CONTRACTOR's insurance and shall not contribute with it.
 - (4) *Notice of Cancellation.* Each insurance policy shall provide that coverage shall not be canceled, except with prior written notice to the CITY.
 - (5) *Subcontractors.* If applicable, CONTRACTOR shall require and verify that all subcontractors maintain insurance meeting all the requirements stated in this Agreement, and CONTRACTOR shall ensure that the CITY (including its officials, officers, agents, employees, and volunteers) is an additional insured on any insurance required from a subcontractor.
 - (6) *Waiver of Subrogation.* CONTRACTOR hereby grants to the CITY a waiver of any right to subrogation that any insurer of CONTRACTOR may acquire against the CITY by virtue of the payment of any loss under such insurance. CONTRACTOR agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this subsection shall apply regardless of whether or not the CITY has received a waiver of subrogation endorsement from the insurer. Any Workers' Compensation policy required by this Agreement shall be endorsed with a waiver of subrogation in favor of the CITY for all work performed by the CONTRACTOR, its agents, representatives, employees and subcontractors.
 - (7) *Self-Insurance.* CONTRACTOR may, with the CITY's prior written consent, fulfill some or all of the insurance requirements contained in this Agreement under a plan of self-insurance. CONTRACTOR shall only be permitted to utilize such self-insurance if, in the opinion of the CITY, CONTRACTOR's (i) net worth and (ii) reserves for payment of claims of liability against CONTRACTOR are sufficient to adequately compensate for the lack of other insurance coverage required by this Agreement. CONTRACTOR's utilization of self-insurance shall not in any way limit the liabilities assumed by CONTRACTOR pursuant to this Agreement.
 - (8) *Self-Insured Retentions.* Self-insured retentions must be declared to and approved by the CITY.
- c. *Verification of Coverage.* At the time CONTRACTOR executes this Agreement, CONTRACTOR shall provide the CITY with original Certificates of Insurance including all required amendatory endorsements (or copies of the applicable policy language effecting the insurance coverage required by this Agreement), which shall meet all requirements under this Agreement. The CITY reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by this Agreement, at any time.
- d. *Special Risks or Circumstances.* The CITY reserves the right, at any point during the term of this Agreement, to modify the insurance requirements in this Agreement, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.
- e. *No Limitation of Obligations.* The insurance requirements in this Agreement, including the types and limits of insurance coverage CONTRACTOR must maintain, and any approval of such insurance by the CITY, are not intended to and shall not in any manner limit or qualify the liabilities and obligations otherwise assumed by CONTRACTOR pursuant to this Agreement, including but not limited to any provisions in this Agreement concerning indemnification.
- f. Failure to comply with any of the insurance requirements in this Agreement, including but not limited to a lapse in any required insurance coverage during the term of this Agreement, shall be a material breach of this Agreement. In the event that CONTRACTOR fails to comply with

any such insurance requirements in this Agreement, in addition to any other remedies the CITY may have, the CITY may, at its sole option, (i) immediately terminate this Agreement; or (ii) order CONTRACTOR to stop work under this Agreement and/or withhold any payment that becomes due to CONTRACTOR until CONTRACTOR demonstrates compliance with the insurance requirements in this Agreement.

7. Indemnification, Duty to Defend, and Hold Harmless.

- a. CONTRACTOR (including CONTRACTOR's agents, employees, and subcontractors, if any) shall indemnify, defend, and hold harmless the CITY, its officials, officers, agents, employees, and volunteers from and against any and all claims, demands, actions, causes of action, proceedings (including but not limited to legal and administrative proceedings of any kind), suits, fines, penalties, judgments, orders, levies, costs, expenses, liabilities, losses, damages, or injuries, in law or equity, including without limitation the payment of all consequential damages and attorney's fees and other related litigation costs and expenses (collectively, "Claims"), of every nature caused by, arising out of, or in connection with CONTRACTOR's performance of the Services or its failure to comply with any of its obligations contained in this Agreement, except where caused by the sole negligence or willful misconduct of the CITY.
- b. CONTRACTOR (including CONTRACTOR's agents, employees, and subcontractors, if any) shall defend, indemnify, and hold harmless the CITY, its officials, officers, agents, employees, and volunteers from and against any and all Claims caused by, arising under, or resulting from any violation, or claim of violation, of the San Diego Municipal Storm Water Permit (Order No. R9-2013-0001, as amended) of the California Regional Water Quality Control Board, Region 9, San Diego, that the CITY might suffer, incur, or become subject to by reason of, or occurring as a result of, or allegedly caused by, any work performed pursuant to this Agreement.
- c. All terms and provisions within this Section 7 shall survive the termination of this Agreement.

8. Anti-Assignment Clause. Because the CITY has relied on the particular skills of CONTRACTOR in entering into this Agreement, CONTRACTOR shall not assign, delegate, subcontract, or otherwise transfer any duty or right under this Agreement, including as to any portion of the Services, without the CITY's prior written consent. Any purported assignment, delegation, subcontract, or other transfer made without the CITY's consent shall be void and ineffective. Unless CONTRACTOR assigns this entire Agreement, including all rights and duties herein, to a third party with the CITY's prior written consent, CONTRACTOR shall be the sole payee under this Agreement. Any and all payments made pursuant to the terms of this Agreement are otherwise not assignable.

9. Attorney's Fees and Costs. In any action to enforce the terms and conditions of this Agreement, the prevailing Party shall be entitled to reasonable attorney's fees and costs.

10. Independent Contractor. CONTRACTOR is an independent contractor, and no agency or employment relationship is created by the execution of this Agreement.

11. Amendment. This Agreement shall not be amended except in a writing signed by the CITY and CONTRACTOR.

12. Merger Clause. This Agreement, together with its attachments or other documents described or incorporated herein, if any, constitutes the entire agreement and understanding of the CITY and CONTRACTOR concerning the subject of this Agreement and supersedes and replaces all prior negotiations, understandings, or proposed agreements, written or oral, except as otherwise provided herein. In the event of any conflict between the provisions of this Agreement and any of its attachments or related documents, if any, the provisions of this Agreement shall prevail.

13. Anti-Waiver Clause. None of the provisions of this Agreement shall be waived by the CITY because of previous failure to insist upon strict performance, nor shall any provision be waived because any other provision has been waived by the CITY, in whole or in part.
14. Severability. This Agreement shall be performed and shall be enforceable to the full extent allowed by applicable law, and the illegality, invalidity, waiver, or unenforceability of any provision of this Agreement shall not affect the legality, validity, applicability, or enforceability of the remaining provisions of this Agreement.
15. Governing Law. This Agreement and all rights and obligations arising out of it shall be construed in accordance with the laws of the State of California. Venue for any action arising from this Agreement shall be conducted only in the state or federal courts of San Diego County, California.
16. Counterparts. This Agreement may be executed on separate counterparts, each of which shall be an original and all of which taken together shall constitute one and the same instrument. Delivery of an executed signature page of this Agreement by electronic means, including an attachment to an email, shall be effective as delivery of an executed original. The Agreement on file with the City is the copy of the Agreement that shall take precedence if any differences exist between or among copies or counterparts of the Agreement.
17. Provisions Cumulative. The foregoing provisions are cumulative to, in addition to, and not in limitation of any other rights or remedies available to the CITY.
18. Notice. Any statements, communications, or notices to be provided pursuant to this Agreement shall be sent to the attention of the persons indicated herein, and the CITY and CONTRACTOR shall promptly provide the other Party with notice of any changes to such contact information.
19. Business License. CONTRACTOR shall obtain a City of Escondido Business License prior to execution of this Agreement and shall maintain such Business License throughout the term of this Agreement.
20. Compliance with Laws, Permits, and Licenses. CONTRACTOR shall keep itself informed of and comply with all applicable federal, state, and local laws, statutes, codes, ordinances, regulations, rules, and other legal requirements in effect during the term of this Agreement. CONTRACTOR shall obtain any and all permits, licenses, and other authorizations necessary to perform the Services. Neither the CITY, nor any elected or appointed boards, officers, officials, employees, or agents of the CITY, shall be liable, at law or in equity, as a result of any failure of CONTRACTOR to comply with this section.
21. Prevailing Wages. If applicable, pursuant to California Labor Code section 1770 et seq., CONTRACTOR agrees that a prevailing rate and scale of wages, in accordance with applicable laws, shall be paid in performing this Agreement. CONTRACTOR shall keep itself informed of and comply with all applicable federal, state, and local laws, statutes, codes, ordinances, regulations, rules, and other legal requirements pertaining to the payment of prevailing wages. The prevailing rate and scale to be paid shall be the same as the applicable "General Prevailing Wage Determination" approved by the Department of Industrial Relations as of the Effective Date of this Agreement, which are available online at <http://www.dir.ca.gov/oprl/dprevagedetermination.htm> and incorporated into this Agreement by this reference. Neither the CITY, nor any elected or appointed boards, officers, officials, employees, or agents of the CITY, shall be liable, at law or in equity, as a result of any failure of CONTRACTOR to comply with this section.
22. Department of Industrial Relations Compliance. This public project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. CONTRACTOR shall post all job site notices required by regulation. CONTRACTOR, as well as any subcontractors, shall be registered pursuant to California Labor Code section 1725.5 to be qualified to bid on, be listed in a bid proposal (subject to the requirements of Public Contract Code section 4104), or engage in the

performance of any public works contract subject to the requirements of Division 2, Part 7, Chapter 1 of the California Labor Code. Neither the CITY, nor any elected or appointed boards, officers, officials, employees, or agents of the CITY, shall be liable, at law or in equity, as a result of any failure of CONTRACTOR to comply with this section.

23. Immigration Reform and Control Act of 1986. CONTRACTOR shall keep itself informed of and shall comply with the Immigration Reform and Control Act of 1986 ("IRCA"). CONTRACTOR represents and warrants that all of its employees and the employees of any subcontractor retained by CONTRACTOR who perform any of the Services under this Agreement, are and will be authorized to perform the Services in full compliance with the IRCA. CONTRACTOR affirms that as a licensed contractor and employer in the State of California, all new employees must produce proof of eligibility to work in the United States within the first three days of employment and that only employees legally eligible to work in the United States will perform the Services. CONTRACTOR agrees to comply with the IRCA before commencing any Services, and continuously throughout the performance of the Services and the term of this Agreement.
24. Effective Date. Unless a different date is provided in this Agreement, the effective date of this Agreement shall be the latest date of execution set forth by the names of the signatories below.

(SIGNATURE PAGE FOLLOWS)

IN WITNESS WHEREOF, this Agreement is executed by the Parties or their duly authorized representatives as of the Effective Date:

CITY OF ESCONDIDO

Date: _____

Dane White, Mayor

Wisconsin LDV, Inc.

Date: _____

Signature

Name & Title (please print)

APPROVED AS TO FORM:
OFFICE OF THE CITY ATTORNEY
MICHAEL R. MCGUINNESS, CITY ATTORNEY

BY: _____

THE CITY OF ESCONDIDO DOES NOT DISCRIMINATE AGAINST QUALIFIED PERSONS WITH DISABILITIES.

ATTACHMENT "A"

Scope of Work

A. General

Wisconsin LDV, Inc. a Wisconsin company ("Contractor") will provide the City of Escondido, a California municipal corporation ("City") with a Mobile Command Center built to City's specifications.

B. Location

Contractor will provide services at the Contractor's facility located at 180 Industrial Drive, Burlington, WI 53105.

C. Services

1. Provide a Custom Mobile Command Center built to specifications in Exhibit 1 to this Scope of Work, which is attached hereto and incorporated by this reference. In the event of a conflict between this Agreement (including this Scope of Work) and Exhibit 1, the terms of this Agreement shall prevail;
2. Provide and install customizations to the Mobile Command Center as listed in Exhibit 1; and
3. Provide roundtrip airfare, car rental, and lodging for inspection, training, and question/answer meetings to Contractor's facility for up to three City of Escondido personnel for up to two meetings, as-needed.

D. Scheduling

Contractor to schedule specific dates of work in advance by contacting Lt. Erik Witholt at 760-839-4722 or ewitholt@escondido.org. Work shall be performed between the hours of 8 a.m. and 5:30 p.m., Monday through Friday or other acceptable hours upon mutual agreement. Further instructions will be provided upon scheduling.

E. Contract Price and Payment Terms

The contract price shall not exceed **\$1,573,235**. The contract price includes all labor, materials, equipment, and transportation required to perform the work. Services will be billed as services are performed. Payment will be made after services have been performed and within 30 days of receipt of an invoice for those services.

F. Term

The term of this Agreement shall be from the Effective Date of the Agreement through **December 31, 2026**.

G. Other

All warranties shall be as described in Exhibit 1.



180 Industrial Drive
Burlington, WI 53105 USA
Phone: 800-558-5986
Fax: (262) 767-2529
Direct: +1 (262) 763-0147
www.ldvusa.com

**PRELIMINARY
SPECIFICATIONS FOR:**

**CITY OF ESCONDIDO PD (CA)
MOBILE COMMAND CENTER**

LDV PROPOSAL # C40MCC-35244-22

DATE

~~April 26, 2022~~
~~June 14, 2022 REV 1~~
~~October 4, 2022 REV 2~~
~~October 24, 2022 REV 3~~
~~April 19, 2023 REV 4~~
~~May 4, 2023 REV 5~~
June 13, 2023 REV 6



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PRICING PAGE: (HGAC contract AM10-20)

Total price per unit as specified, FOB Origin	\$1,686,848.00
Discount amount	-\$121,453.00
HGAC discounted price for 1 unit as specified	\$1,565,395.00

Contract Administration Fee - HGAC	\$1,000.00
HGAC discounted price for 1 unit as specified with Contract Admin Fees	\$1,566,395.00
Delivery charge to Escondido (CA)	\$6,840.00

Total price per unit	\$1,573,235.00
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Delivery terms: Ask your Sales Representative.

Payment Terms: Net 30 days.

Quote is firm for 120 days from specification date.

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



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Item	Qty	
1.00		<p><u>CHASSIS/BODY DIMENSIONS:</u> 30' dry van wide body tandem • Cab-to-Axle 209" • Wheelbase of chassis: 275" • Overall length of apparatus: 490" • Overall apparatus width, rub rail to rub rail: 102" • Overall height of apparatus (loaded): 149" • Interior walkway height raw body: 83" • Interior walkway height finished: 81.5" • Interior walkway length: 360" • Interior raw body width: 99" • Interior finished body width: 93"</p> <p>Final measurements are dependent on body builder, chassis components, axles, tires, frame, suspension, and roof-mounted equipment.</p>
2.00		<p><u>CHASSIS:</u></p>
2.01	1	<p>2024 Freightliner M2 106 conventional cab, tandem rear axle truck chassis. 56,000-lb. GVWR with rear air ride suspension and air brakes.</p> <p><u>ENGINE:</u> • Cummins L9 350EV HP @ 2000 RPM, 2200 GOV, 1000 LB/FT @ 1400 RPM</p> <p><u>ENGINE EQUIPMENT:</u> • 2008 CARB emission certification – clean idle • 12V 275 amp pad mount alternator • (2) group 31, 12 volt maintenance free 2000 CCA threaded stud batteries • 18.7 CFM air compressor with internal safety valve • GVG, fire and emergency service vehicles engine warning • Exhaust brake integral with variable geometry turbo • Engine aftertreatment device, automatic over the road regeneration and dash mounted regeneration request switch • RH standard horizontal tailpipe • 6 gallon diesel exhaust fluid tank • Antifreeze to -34F, OAT (nitrite and silicate free) extended life coolant • Gates Blue Stripe coolant hoses or equivalent • 1000 watt/115 volt block heater</p> <p><u>TRANSMISSION:</u> • Allison 3000 EVS automatic transmission with PTO provision</p> <p><u>TRANSMISSION EQUIPMENT:</u> • Magnetic plugs, engine drain, transmission drain, axle(s) fill and drain • Push button electronic shift control, dash mounted • Water to oil transmission cooler, in radiator end tank • Transmission oil check and fill with electronic oil level check • Synthetic transmission fluid (TES-295 compliant)</p> <p><u>FRONT AXLE AND EQUIPMENT:</u> • 16,000# drop single front axle</p>



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Item	Qty	
		<ul style="list-style-type: none"> • Meritor 16.5x6 Q+ cast spider cam front brakes, double anchor, fabricated shoes • Fire and emergency severe service, non-asbestos front lining • Front oil seals • Automatic front slack adjusters • TRW TAS-85 power steering • Synthetic 75W-90 front axle lube <p><u>FRONT SUSPENSION:</u></p> <ul style="list-style-type: none"> • 16,000# taperleaf front suspension • Front shock absorbers <p><u>REAR AXLE EQUIPMENT:</u></p> <ul style="list-style-type: none"> • 40,000# tandem rear axle • 4.88 rear axle ratio • (1) Interaxle lock valve for tandem drive axles • Meritor 16.5x7 Q+ cast spider cam rear brakes, double anchor, fabricated shoes • Fire and emergency severe service non-asbestos rear brake lining • Rear oil seals • Meritor automatic rear slack adjusters • Synthetic 75W-90 rear axle lube <p><u>REAR SUSPENSION:</u></p> <ul style="list-style-type: none"> • Airliner 40,000# extra duty rear suspension • Airliner high position ride height • Manual dump valve for air suspension, without gauge • Indicator light for each rear suspension control switch • Dual air rear suspension leveling valves • Rear shock absorbers - two axles <p><u>BRAKE SYSTEM:</u></p> <ul style="list-style-type: none"> • Air brake package • Wabco 4S/4M ABS without traction control • Brake line air dryer with heater • Pull cable on wet tank, petcock drain valves on all other air tanks <p><u>FRAME:</u></p> <ul style="list-style-type: none"> • 7/16" x 3-9/16" x 11-1/8" steel frame, 120 KSI • 1/4" C-channel inner frame reinforcement <p><u>CHASSIS EQUIPMENT:</u></p> <ul style="list-style-type: none"> • Three-piece 14 inch chromed steel bumper with collapsible ends • Front tow hooks - frame mounted <p><u>FUEL TANKS:</u></p> <ul style="list-style-type: none"> • 50 gallon/189 liter rectangular aluminum fuel tank – RH • 50 gallon/189 liter short rectangular aluminum fuel tank – LH • Polishing of fuel tanks with painted bands • Polished stainless steel step finish • High temperature reinforced nylon fuel line <p><u>TIRES:</u></p> <ul style="list-style-type: none"> • Michelin X Line Energy Z 315/80R22.5 20 ply radial front tires



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Item	Qty	
		<ul style="list-style-type: none"> • Michelin X Multi D 275/80R22.5 14 ply radial rear tires <p><u>WHEELS:</u></p> <ul style="list-style-type: none"> • Accuride 22.5 x 9.00 10-hub pilot aluminum disc front wheels • Accuride 22.5 x 8.25 10-hub pilot aluminum disc rear wheels • Bright standard polish front wheels with Accu-shield finish • Bright standard polish rear wheels with outer only Accu-shield finish <p><u>CAB EXTERIOR:</u></p> <ul style="list-style-type: none"> • 106" BBC flat roof aluminum conventional cab • Leaf spring rear cab suspension • Nonremovable bugscreen mounted behind grille • LH and RH exterior grab handles with single rubber insert • Hood mounted chromed plastic grille • Dual electric horns • Door locks and ignition switch keyed the same • Dual West Coast bright finish heated mirrors with LH and RH remote • LH and RH 8" bright finish convex mirrors mounted under primary mirrors • RH down view mirror • RH and LH electric powered windows <p><u>CAB INTERIOR:</u></p> <ul style="list-style-type: none"> • Heater, defroster and air conditioner • Heavy duty air conditioner compressor • Dome door activated LH and RH, dual reading lights, forward cab roof • LH and RH electric door locks • Basic high back air suspension driver seat with mechanical lumbar and integrated cushion extension • Basic high back air suspension passenger seat with mechanical lumbar and integrated cushion extension • Dual driver and passenger seat armrests • LH and RH integral door panel armrests • High visibility orange seat belts • Adjustable tilt and telescoping steering column <p><u>INSTRUMENTS & CONTROLS:</u></p> <ul style="list-style-type: none"> • Low air pressure indicator light and audible alarm • 2 inch primary and secondary air pressure gauges • 97 dB backup alarm • ICU3S, 132X48 display with diagnostics, 28 LED warning lamps and data linked • 2 inch electric fuel gauge • Programmable RPM control - electronic engine • Electrical engine coolant temperature gauge • 2 inch transmission oil temperature gauge • Engine and trip hour meters integral within driver display • Electric engine oil pressure gauge • AM/FM/WB radio with CD player, Bluetooth, iPod interface, USB and auxiliary inputs • Electronic MPH speedometer with secondary KPH scale, without odometer



CUSTOM SPECIALTY VEHICLES

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Item	Qty	
		<ul style="list-style-type: none"> • Electronic 3000 RPM tachometer • One valve parking brake system with warning indicator
2.02		<p><u>CHASSIS WARRANTY:</u></p> <ul style="list-style-type: none"> • Two (2)-year/unlimited miles Freightliner M2 chassis warranty. • Two (2)-year/100,000 mile Cummins engine warranty. • Five (5)-year/unlimited miles Allison transmission warranty.
2.03	1	Block heater shall be controlled through the Intel-I-Touch™ multiplex control screen.
2.04	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.
2.05	1	Install chrome lugnuts covers and hub caps on all wheels. Includes valve extensions on rear wheels as needed.
2.06	2	Zico wheel chock SAC-44-E (or current model).
2.07	2	Zico wheel chock holder SQCH-44H (or current model).
2.08	1	Route horizontal exhaust to streetside.
3.00		<u>BODY:</u>
3.01	1	<ul style="list-style-type: none"> • Load space area shall be 83" high x 99" wide x 30' long custom all aluminum dry van body with the following: • Aluminum alloy double H wall beam, 6005-T5 alloy, 3" deep x 1.5" wide, 0.125 wall thickness. Studs feature machined wire pass-throughs, and raised adhesive control features on base. • I-beams chemically bonded to sidewalls eliminating the need for additional rivets. Buck-rivets will be used to fasten the top, bottom and rub rail. Use of two-sided tape is not acceptable. • Body shall have 0.125" strain-hardened aluminum alloy 5052-H36 side panels. The upper panels shall be free of rivets allowing for smooth graphics application. • Skirt supports, 1.5 x 1.5 x 0.125 angle to reinforce skirt edge and hold bottom edge in a straight line. 0.188 x 1.00" flat braces placed at 4' intervals and riveted to lower wall angle and floor to maintain sidewall skirt rigidity. • Fender flares, 1.38" x 2.25" x 0.090" roll formed and radiused 5052-H32 aluminum sheet, mechanically fastened to wheel opening. Edges sealed against moisture. • NFPA 1901 embossed 0.125" aluminum tread plate roof attached to 3" x 1 1/2" x 0.125 extruded aluminum roof bows on 16" centers. Bows are 2" skip welded every 12" Tread plate seams shall be continuous welded. Perimeter of roof shall be chemically sealed. • Extruded aluminum floor with interlocking planks, 1.88" high x various widths, 0.125" top surface. 6005-T5 alloy and temper. Heavy-duty thick-wall extruded planks fore and aft of all floor cutouts and every 5th plank in all other areas. Planks made of 6005-t5 alloy and temper, 0.250" thick top surface. • Full width 3" deep aluminum rear bumper painted to match the body. • Full length skirting below floor. • All clearance and side marker lights to be LED. • Standard structural warranty of 5 years or 50,000 miles and standard component warranty of 12 months or 12,000 miles. • The vehicle shall be fully sanded on all exterior surfaces with no more than 150 grit to assure removal of imperfections in metal surface. All aluminum shall be chemically etched and primed prior to painting. Base body color shall be oven baked and painted to commercial truck



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		standards. Note: Specifications are from body manufacturer and are subject to change without notice. NOTE: 3" depth bumper. Flat floor body design.
3.02	2	32" wide aluminum sedan door installed above floor. Includes 21.5" wide x 25.5" high fixed window. Door shall have continuous stainless-steel piano hinge, two (2) nylon door straps and an aluminum drip rail. NOTE: Locations: One (1) will be the Side Entry Door (Curbside – Forward of the Rear Wheels). One (1) will be the Rear Entry Door (Centered on the Rear Wall).
3.03	1	32" wide aluminum sedan door installed above floor. No window. Door shall have continuous stainless-steel piano hinge, two (2) nylon door straps and an aluminum drip rail. NOTE: Locations: One (1) will be the Lavatory Door (Streetside – Forward of the Rear Wheels).
3.04	3	Interior heavy-duty fluted aluminum grab handle with rubber inserts and chrome plated stanchions installed at entry door. NOTE: Locations: <ul style="list-style-type: none"> • On side entry door. • On rear door • On bathroom door
3.05	3	Wire one of the overhead lights to function as a courtesy light when the entry door is opened. NOTE: locations: Side entry, rear door, and bathroom door.
3.06	6	Whelen PEL2C automatic courtesy LED light at lower portion of the entry door with chrome housing. NOTE: Locations: two (2) on each entry door. Illuminate steps when door is opened.
3.07	1	Courtesy light defeat in Intel-I-Touch™ multiplex control screen. Each entry door courtesy light will be automatically deactivated where the corresponding room has the overhead lighting set to night mode.
3.08	2	Pull out aluminum stairs encased in a narrow profile cassette installed below floor line, eliminating the need for an interior stepwell. Includes exterior fold out handrail. NOTE: Locations: Mounted under Side Entry Door and Rear Entry Door. Steps to be Slotted Diamondback Planking.
3.09	1	Underbody compartment with slide-out step assembly for Lavatory access. Includes exterior fold out stainless-steel tubular handrail. NOTE: Steps to be Slotted Diamondback Planking Door for steps will include straps to prevent door from hitting skirting.



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3.10	1	TriMark keyless entry system for side entry door, rear door and compartments. System includes: <ul style="list-style-type: none"> • One (1) Key Pad at side entry door • One (1) Key Pad at rear door • Four (4) Key FOBs • Nine (9) Door actuators NOTE: Need to mount control box on Curbside and also include an External Antenna.
3.11	1	TriMark keyless entry system for Lavatory door. System includes: <ul style="list-style-type: none"> • One (1) Key Pad at Lavatory door • Four (4) Key FOBs • One (1) Door actuator NOTE: Need to mount control box on Streetside
3.12	1	Whelen Stop/Turn/Tail/Backup light set. Includes two of each of the following: <ul style="list-style-type: none"> • Whelen M6FCV4 polished chrome vertical housings for four M6 series lighthoods. The fourth light head will be an emergency flasher as specified in the DC Emergency Lighting section. • Whelen M6 series LED arrow shaped amber turn signal, model number M62T. • Whelen M6 series LED brake/tail light heads, model number M62BTT. • Whelen M6 series LED back-up light heads, model number M62BU.
3.13	1	Cast Products LP0004-1-B aluminum license plate mounting frame with LED light.
3.14	1	Entire underside shall be undercoated. Includes floor extrusions, step wells and aluminum compartments.
3.15	1	LDV rear mud flaps. Includes anti-sail brackets when required.
3.16	1	Flat floor slide-out room extension fabricated with a structurally rigid welded aluminum tube design with a fully bonded aluminum shell. During deployment an electronic control system automatically expands the room extension and lowers the floor to flush position. Features: <ul style="list-style-type: none"> • Electric over hydraulic control system programmed to lower the slide out to floor height after full extension. • Awning that automatically extends and retracts over the top of the room to protect from weather and debris. • Full perimeter double rubber bulb seal with an additional seal in the fully extended and fully retracted positions. • No track or hardware shall be attached to the ceiling of the body. NOTE: Location: Forward street side slideout. Slide out up to 102" length x 30" deep (full extension of 26").



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3.17	1	<p>Flat floor slide-out room extension fabricated with a structurally rigid welded aluminum tube design with a fully bonded aluminum shell. During deployment an electronic control system automatically expands the room extension and lowers the floor to flush position.</p> <p>Features:</p> <ul style="list-style-type: none"> • Electric over hydraulic control system programmed to lower the slide out to floor height after full extension. • Awning that automatically extends and retracts over the top of the room to protect from weather and debris. • Full perimeter double rubber bulb seal with an additional seal in the fully extended and fully retracted positions. • No track or hardware shall be attached to the ceiling of the body. <p>NOTE: Location: Forward curb side slideout. Slide out up to 102" length x 36" deep (full extension of 30").</p>
3.18	1	<p>Flat floor slide-out room extension fabricated with a structurally rigid welded aluminum tube design with a fully bonded aluminum shell. During deployment an electronic control system automatically expands the room extension and lowers the floor to flush position.</p> <p>Features:</p> <ul style="list-style-type: none"> • Electric over hydraulic control system programmed to lower the slide out to floor height after full extension. • Awning that automatically extends and retracts over the top of the room to protect from weather and debris. • Full perimeter double rubber bulb seal with an additional seal in the fully extended and fully retracted positions. • No track or hardware shall be attached to the ceiling of the body. <p>NOTE: Location: Rearward street side slideout. Slide out up to 98" length x 30" deep (full extension of 26").</p>
3.19	1	<p>Flat floor slide-out room extension fabricated with a structurally rigid welded aluminum tube design with a fully bonded aluminum shell. During deployment an electronic control system automatically expands the room extension and lowers the floor to flush position.</p> <p>Features:</p> <ul style="list-style-type: none"> • Electric over hydraulic control system programmed to lower the slide out to floor height after full extension. • Awning that automatically extends and retracts over the top of the room to protect from weather and debris. • Full perimeter double rubber bulb seal with an additional seal in the fully extended and fully retracted positions. • No track or hardware shall be attached to the ceiling of the body. <p>NOTE: Location: Rearward curb side slideout. Slide out up to 70" length x 30" deep (full extension of 26").</p>
3.20		<p>Ignition Interlock to prevent vehicle from starting when any of the external extension devices are deployed.</p>



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3.21	8	Flashing warning light for slide out. NOTE: Amber LED color.
4.00		<u>PAINT / GRAPHICS:</u>
4.01		Body paint color shall be single color commercial Grey (L4315) paint from the roof line down.
4.02	4	Paint slideout toppers custom color to match the body.
4.03	2	Paint awning custom color to match the body.
4.04	2	4-inch wide reflective stripe on the exterior back and sides of the vehicle. NOTE: Custom stripe on sides, colors TBD.
4.05	1	Custom computer-generated reflective vinyl graphics per customer specifications. Includes up to seventy 8"-10" letters and up to forty-five 3"-6" letters. All lettering shall be shaded or outlined (colors/style ~ to be determined). Note: Graphics package does not include production of custom shields and/or seals.
4.06	6	Custom computer-generated non-reflective vinyl shield. Customer shall supply true vector artwork required to produce shield.
4.07	2	Frosted/Etched look vinyl badge, shield or logo on conference table.
5.00		<u>GENERAL INTERIOR SPECIFICATIONS:</u> <ul style="list-style-type: none"> • Wall Covering: Rooms 1, 3, and 4 will have Grey Carpet walls • Wall Covering: Room 2 will have Grey Laminate walls • Wall Covering: Exterior Access Lavatory will have Silver Smooth FRP walls. • Ceiling Fabric: Silver Grey Headliner Material on All ceilings • Slide Out Fascia: Charcoal Grey Powder Coated - Symmetrical • Floor Covering: Onyx PVC Flooring • Office Chairs: Black • Vinyl Coverings: Whisper Black with Seat Backs • Cabinets: Charcoal Grey with Powder Coated Frames and Handles (if available). Also noted: Base Cabinets in Slide Out to have interior panels be Dry Erase Panels. • Counters and Tables: Night Stars Solid Surface
6.00		<u>DRIVER / PASSENGER CAB AREA:</u>
6.01	1	Custom fabricated console in cab, for locating siren controller, police radio and/or other controls as specified elsewhere in this document.
6.02		Cab Area Additions: <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.
6.03	1	Three (3) camera rear view system with 7" LCD color monitor. System includes left, right, and rear vision day/night cameras. Rear camera includes a microphone for audio commands from a spotter to the driver during backing operations.
6.04	1	Verity, rear parking sensor system ADD60S shall be installed. System shall include four (4) sensors mounted in the rear bumper to detect obstacles away from bumper, and dash-mounted audible indicators with varying beep tones as you get closer to objects.



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6.05	1	Verity, forward sensor system ADD64S shall be installed. System shall include four (4) sensors mounted in the front bumper to detect obstacles away from bumper, and dash-mounted audible indicators with varying beep tones as you get closer to objects.
6.06	1	Door ajar warning on multiplex system.
6.07	16	Door ajar contact/magnet. NOTE: 14 doors and 2 hand rails
7.00		<u>WALLS, CEILING AND FLOOR:</u>
7.01		Insulate walls with a minimum of 2-1/2" of fiberglass insulation. Cover interior body side posts with 1/2" plywood sub wall.
7.02		Cover sub walls with carpet or Laminate as called out above in the General Interior Specification section.
7.03		Insulate ceiling with a minimum of 2-1/2" of fiberglass with an R-11 rating. <ul style="list-style-type: none"> • Cover interior roof beams with 1/2" plywood. • Modular panel design allows for manageable future additions and repairs. • Plywood Panels covered in acoustical fabric.
7.04		Floor underlayment to be 5/8" exterior grade tongue and groove structural plywood, 6 ply, face veneer plugged and sanded.
7.05		Lonseal Loncoin II Flecks non-skid commercial grade PVC flooring. The flooring shall be continuous, one piece full length, full width, no seams.
7.06		Vinyl cove molding (mop board) at base of wall, 2-1/2" high. Installed where required.
7.07	3	Flush pocket door covered in laminate, 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. NOTE: Pocket doors to have Grey Laminate material.
7.08		All bulkheads shall be covered with materials to match walls. Trim exposed edges of bulkheads with rounded anodized aluminum trim where applicable.
7.09	3	Cover load space door with powder coated aluminum panel with heavy-duty rubber grab handle.
7.10	4	Flush mount fixed window installed on side wall in slide out. NOTE: Locations: Forward slideout windows.
7.11	6	Upgrade window covering to Day/Night pleated shade and add custom made valance. NOTE: Includes all windows and doors. Include a Black-out for the Day Shade.



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8.00		<u>GALLEY / LAVATORY:</u>
8.01	1	Pressurized Lavatory Water System. Includes: <ul style="list-style-type: none"> • Thetford Foot Pedal Flush model 31661 (or current model) low-profile toilet in lavatory. • Fresh water/waste tank level monitor through the multiplex system. • 10" round stainless steel lavatory sink with chrome plated sink hardware. • One (1) chrome plated paper towel holder and one (1) chrome plated toilet paper holder in lavatory. • Aqua Jet model #5503-AV15-B636 (or current model) 5.3 GPM water pump with accumulator tank. • One (1) 25 gallon fresh water supply and one (1) 30 gallon waste tank. • Plumbing pressure pipes shall be PEX tubing. • Underbody fresh water and grey water tanks are to be heated and all plumbing insulated and wrapped with heat tape. • Sewage hose and dump valve shall be provided for holding tank. • Winterizing valve mounted in line on the input side of the water pump. Valve allows antifreeze to be pumped throughout the system to winterize plumbing.
8.02	1	2.5-gallon electric water heater.
8.03	1	Permanently mounted holding tank rinsing system.
8.04	1	Wastebasket with hold-down bracket.
8.05	1	Bobrick B-165 18" x 24" one-piece channel frame mirror with bright polished finish.
9.00		<u>SEATING:</u>
9.01	10	Space Air Grid office chair 5560 black with armrests, five caster spider base, and adjustable height.
9.02	6	Securement strap with buckle installed under counter to secure office chair.
9.03	4	Custom chair restraint for conference table chairs.
9.04		Fabricate and install flip-down bench seating as shown on drawing. Bench seat cushions shall be covered in heavy-duty vinyl. Bottom seat cushion will be installed on Zico Quic-Seat® fold down spring loaded seat brackets. NOTE: Bench seating to include back rests.
9.05		<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.



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Item	Qty	
10.00		CABINETS:
10.01		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.
10.02		Radius edging incorporated as design permits.
10.03	5	Dry erase writing surface on overhead cabinet door.
10.04	5	Gas spring lift supports on overhead cabinet door.
10.05	4	LED light with on/off switch, mounted under overhead cabinet.
10.06	1	Slide-out printer tray.
10.07	7	Magnetic dry erase board framed in aluminum. Includes aluminum clip frame for easy board replacement, sized as required.
10.08		Wilsonart Gibraltar 1/2" solid surface countertop over subsurface. Solid surface countertop shall have a 1-1/2" front lip with radius edge.
10.09		Wilsonart Gibraltar 1/2" solid surface conference tabletop over subsurface. Solid surface tabletop shall have a 1-1/2" front lip with radius edge.
10.10		Solid Surface communication equipment shelf mounted above countertop.
10.11	2	Fabricate and install custom flip-down countertop. NOTE: Streetside slide out at flip down bench seats. Countertops to stow in the down position. Flip up to use.
10.12	1	Powder coated 0.125" aluminum conference table base.
10.13	7	Grip-A-Strip paper holder 36" AUT-02005 (or current model). NOTE: Mounted (1) on or above each dry erase board.
10.14	8	Computer cable pass-thru grommet in counter or conference table. Satin nickel 2-1/2" two-piece metal desk grommet - 3" overall diameter. NOTE: One (1) per workstation and two (2) conference table
10.15	4	Magnetic dry erase marker caddy kit.
10.16		Custom fabricated console to house electrical distribution components and control panels.



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Item	Qty	
11.00		HVAC SYSTEM:
11.01	1	Fan-tastic Vent model 1450 3-speed reversible 12" power roof ventilator.
11.02	1	Fan-tastic Ultrabreeze vent cover. NOTE: Color shall be smoke.
11.03	3	Ducted low profile rooftop air conditioner controlled through multiplex control system. Includes: <ul style="list-style-type: none"> • 15,000 nominal Btu/hr air conditioner with condensate pump. • Chill Grille Assembly with 5,600 Btu/hr heat strip • Louvered Ceiling Vents, as required
11.04	4	Broan model 174 wall mount 5,120 Btu/hr electric heater.
12.00		AC ELECTRICAL SYSTEM:
12.01	1	Power Tech 25-kW 120/240Vac liquid-cooled diesel generator with air bag mounts installed in a custom fabricated compartment. Generator features: <ul style="list-style-type: none"> • Tier 4F Emissions • USTC Certified Manufacturer • Warranty: 2 years from date of purchase, or 3000 hours whichever comes first, or 36 months from the date of manufacture. • Four point air bag mounting system • Four-cycle water cooled diesel engine • Radiator cooled, direct mounted • High-coolant temp and low oil pressure shutdown sensors • Spin-on fuel and oil filter • Single side service • Typical Gallon Per Hour fuel consumption: 25% load = 0.51, 50% load = 1.01, 100% load = 2.03 <p>Compartment shall be constructed to the following specifications:</p> <ul style="list-style-type: none"> • 0.187" aluminum with all welded seams. • 2" deep 0.125" aluminum box pan doors and 0.125" aluminum frames. • Door frames riveted to the body and welded to the compartments. • Stainless steel door hinges attached with stainless steel machine screws. • Flush mounted door handles with slam latches. • 0.100" aluminum treadplate panels on interior door surfaces. • Gas charged lift/support cylinders to hold doors open at 90°. • Industrial grade neoprene gasket door seals. NOTE: Generator exhaust shall be routed to the street side of the vehicle.
12.02		Insulate under vehicle body floor with Tiger Foam™ spray foam insulation to a 1.5" minimum thickness. Recyclable, fire rated two-component spray polyurethane foam insulation. Insulation rating equals R-7 per inch. NOTE: Insulate with spray foam insulation above the generator compartment.
12.03	1	Install door activated LED compartment light in generator compartment.



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12.04	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
12.05	1	<p>LDV exclusive Intel-I-Touch™ vehicle automation control system.</p> <p>A multiplexed vehicle automation system must be incorporated into a common touch screen(s) that is custom programmed to monitor and control onboard systems as described throughout the specifications. The automation system software must allow simultaneous distribution of information to multiple onboard control/monitoring stations and the software must be updateable and configurable as required. This system is mandatory as it simplifies start up procedures, contains fewer operating components, reduces operational start-up time, reduces the total amount of wiring in the vehicle and includes error detection protocols and troubleshooting features.</p> <p>Features include:</p> <ul style="list-style-type: none"> • One (1) 10" LCD touch screen with custom graphics for control and monitoring systems • AC power distribution control and monitoring for the generator with power management • DC power distribution control and monitoring • Manual or automatic generator control • HVAC and temperature control. • Interior and exterior lighting control • Automatic power transfer switches • Automated startup and shutdown procedures • Seamless control of generators, lighting, awnings and additional devices • Mast control • Safety interlocks • Battery saver feature • Generator Service Alerts <p>The system must be completely upgradeable with power modules located throughout vehicle. Additional components may be added to system with a simple software modification System capability is not to be achieved with use of multiple monitoring systems designed for specific use i.e. water monitors, battery monitors etc.</p>
12.06	1	<p>Additional 10" LCD touch screen with custom graphics for control and monitoring systems. All touch screens provide complete control and monitoring of vehicle systems.</p> <p>NOTE: Locations:</p> <ul style="list-style-type: none"> • One (1) in the cab • One (1) in control panel at side curb side entry
12.07	1	<p>3" Touch panel for dedicated local control and monitoring of specific vehicle automation system features. Includes control layout and indicators where applicable.</p> <p>NOTE: One in the exterior TV box.</p>



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Item	Qty	
12.08	2	3" Touch panel with numeric display for dedicated local control and monitoring of specific vehicle automation system features including room HVAC. Display shows current room temperature and HVAC setpoint when adjusted. Includes control layout and indicators where applicable. NOTE: Locations: <ul style="list-style-type: none"> • One (1) in room #1 • One (1) in room #3
12.09		Night Time (Red) Lighting Mode turns the ceiling lighting in each room from white to red lights.
12.10		Reduced Lighting Mode is white ceiling lighting in each room have the option of All-On or Half-On.
12.11	1	Kussmaul Auto Eject 20, 20A-120Vac shore power inlet with 25-ft. 20A-120Vac shore power cord. #091-20WP-120RD.
12.12	1	Marinco 100A-125/250Vac waterproof shore power inlet, 25-ft. 100A-125/250Vac shore power cord and 6-ft. 100A-125/250Vac pigtail.
12.13	23	20A-125Vac duplex receptacle with dual USB charging ports [one (1) Type A and one (1) Type C]. Receptacle is not dedicated to any installed equipment. NOTE: Locations: TBD
12.14	6	20A-125Vac exterior GFCI duplex receptacle. NOTE: Locations: <ul style="list-style-type: none"> • Two (2) on each side - one front and one rear • One (1) at the exterior workstation • One (1) in the exterior charging station Receptacle will be installed with a weatherproof cover as needed.
12.15		Wire chase wire management raceway system located as shown on drawing. Product features: <ul style="list-style-type: none"> • Satin anodized finish. The finish resists rust, corrosion and fading. Material extruded from 6063-T5 aluminum alloy. • Removable dual cover. Makes wiring easy and accessible and provides maximum flexibility for adding or relocating outlets and circuits. The cover retention is 45 lbs. straight pull for one minute. • UL Listed multioutlet assemblies. File E68073 Guide PVGT, Fittings: File E121188 Guide RJPR. Meets Article 380 of NEC and meets Section 12-3032 of CEC. • UL and cUL Listed component raceways. File E73943 Guide RJBT, Fittings: File E74343 Guide RJPR. Meets Article 386 of NEC and meets Section 12-600 of CEC. • UL5 and ADA compliant. Raceway and fittings meet UL5 specifications and can be installed in conformance with ADA requirements
12.16	1	APC Smart-UPS 3,000VA rack mount UPS, SRT3000RMXLA (or current model). Product features: <ul style="list-style-type: none"> • 3,000VA/2,700W output capacity • 120V output voltage



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		<ul style="list-style-type: none"> • (8) NEMA 5-20R and (1) NEMA L5-30R output receptacles • Typical Backup Time at Half Load 19.2 minutes (1125 Watts) • Typical Backup Time at Full Load 5.7 minutes (2250 Watts) • Dimensions: 3.35"H x 17"W x 25"D <p>NOTE: For the Network Equipment in the Electronics Rack and outlets for selected Computers/Monitor.</p>
12.17	1	APC Smart-UPS X 120V External Battery Pack Rack/Tower - battery enclosure - lead acid.
12.18	6	Red specification grade 20A-125Vac duplex receptacle with stainless steel wall plate located as shown on drawing. These receptacles are dedicated to the UPS as specified elsewhere in this document. <p>NOTE: Locations: (1) Under the countertop at Workstations 1 through 6.</p>
12.19	1	Will-Burt Night Scan NS2.3-600WHL (or current model) 120Vac light tower. Includes: <ul style="list-style-type: none"> • Four (4) Pioneer x 150 watt LED Spot/Flood light (PFP2ASF) • Hand held (wired) remote control (SHIP LOOSE) • 50ft control cable • Additional roof support structure, as required. <p>NOTE: Remote Control mounted rear exterior compartment by mast compressor.</p>
12.20		<p><u>AC WIRING REQUIREMENTS:</u></p> <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.
13.00		<p><u>DC ELECTRICAL SYSTEM:</u></p>
13.01	1	<ul style="list-style-type: none"> • Six (6) Lead acid deep-cycle 6Vdc batteries. Batteries shall be installed underbody in slide out weather resistant compartment. Four (4) batteries will be separated for auxiliary equipment and two (2) batteries will be for communications equipment. • Three (3) electronic converter/chargers, 80 amp minimum output each installed underbody in weather resistant climate controlled. Compartment to draw ambient air from interior of truck and will have thermostatically controlled exhaust fan to circulate warm air to exterior (no exceptions). Converter/charger features: <ul style="list-style-type: none"> • Charges 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. • All DC electrical and metering switched and monitored through the multiplex system.
13.02	1	Sure Power 3003 (or current model) isolator.



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13.03	17	Light, Orion 6" LED, neutral white with polished bezel and voltage regulation. NOTE: Lights will have a "Full Light" and "Reduced Light" modes per Room.
13.04	15	Light, Orion 6" LED, neutral white / red with polished bezel and voltage regulation. NOTE: Lavatory light mode will be same as Room 2 mode.
13.05	3	Miniature amber LED light installed above pocket door with label reading "DO NOT ENTER WHEN AMBER LIGHT IS LIT". Light to be controlled by button on Multiplex system. NOTE: Locations: #1 One light in middle entry area going into front conference room. #2 One light in middle entry area going into rear work area. #3 One light in rear entry work area going into rear work area. • Light #1 turned on/off on separate switch. • Lights #2 and #3 turned on/off together on separate switch.
13.06	1	Red LED light above Lavatory door with label "Lavatory In Use".
13.07	8	Whelen M6ZC Gradient LED Scene Light with clear outer lens and M6FC chrome flange. NOTE: (3) will be mounted on each side and (2) will be mounted on Rear
13.08	8	Whelen PEL2C LED light with chrome housing. NOTE: (3) will be mounted on each side and (2) will be mounted on Rear Bumper
13.09	10	Combination 12V / USB power port. NOTE: Dual 12 volt power port and 12 volt USB at all work stations (6 total) plus (2) at exterior workstation and (2) at exterior charging compartment. Marinco 12VCOMBO or similar.
13.10		<u>12VDC WIRING REQUIREMENTS:</u> • 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.



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Item	Qty	
		<ul style="list-style-type: none"> • 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.
14.00		<u>EMERGENCY LIGHTING / SIRENS:</u>
14.01	1	<p>Whelen 295SLSA6 siren with 9 low current lighting control switches. California Title 13 compliant.</p> <p>NOTE: Slide Bar Positions Control:</p> <ol style="list-style-type: none"> 1. Rear (Upper and Lower) 2. Rear (Upper and Lower), All Upper, Front Wall or "Light bar" 3. All
14.02	1	Whelen SA315P high performance speaker, with bracket.
14.03	1	<p>Whelen model L41 Series super LED (or current model) green command strobe mounted on roof.</p> <ul style="list-style-type: none"> • 12 VDC or 24 VDC • 12V - 1.5 Amp (peak), 0.6 Amp (average) • 4-3/4" H x 6-7/16" Dia. <p>NOTE: Mounted on Raceway at Front/Center.</p>
14.04	1	<p>Whelen Freedom IV Series LED light bar FL2RRBB. Includes:</p> <ul style="list-style-type: none"> • 1 - Custom 72" length • 1 - Opticom Emitter • 14 - 400 Series Linear LED Flashers (Red Street Side/Blue Curb Side) • 1 - Red Steady Burn Light
14.05	1	Lightbar will be mounted on custom fabricated 0.125" aluminum bracket mounted on front of body, painted to match the body.
14.06	1	Freightliner headlight wig-wag flasher option.
14.07	1	<p>Whelen TLIR ION-T- Series™ Linear Super-LED® Red with clear outer lens & TIONFC chrome flange.</p> <p>NOTE: Grill</p>
14.08	1	<p>Whelen TLIB ION-T- Series™ Linear Super-LED® Blue with clear outer lens & TIONFC chrome flange.</p> <p>NOTE: Grill</p>



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14.09	7	Whelen M6 series, M6RC (or current model), Linear Super-LED lighthouse with internal flasher, RED LED's with CLEAR outer lens. Includes M6FC chrome flange.
14.10	7	Whelen M6 series, M6BC (or current model), Linear Super-LED lighthouse with internal flasher, BLUE LED's with CLEAR outer lens. Includes M6FC chrome flange.
14.11	1	Whelen M7 series Linear Super-LED lighthouse with internal flasher, RED LED's with clear outer lens. model M7RC Includes chrome flange M7FC.
14.12	1	Whelen M7 series Linear Super-LED lighthouse with internal flasher, BLUE LED's with clear outer lens. model M7BC Includes chrome flange M7FC.
15.00		<u>AUDIO / VIDEO:</u>
15.01	4	LG 24" Black 720P LED HDTV - 24LM530S-PU Features: <ul style="list-style-type: none"> • 720P resolution • (2) HDMI inputs • (2) Speakers NOTE: Locations: <ul style="list-style-type: none"> • Workstation 4 (x4) forward curb side slideout workstation
15.02	8	Samsung 32" QLED TV QN32Q60AAFXZA with wall mount bracket. Product features: <ul style="list-style-type: none"> • Resolution 4K • (3) HDMI, (2) USB • (2) Speakers • DTV Tuner/ATSC / Clear QAM • Dimensions: 28.5"(W) x 16.8"(H) x 1.2"(D) Weight 11.7lbs NOTE: Locations: <ul style="list-style-type: none"> • Work Station 1, rear street side slideout workstation • Work station 2, rear street side slideout workstation • Work station 3 (x2), rear street side workstation • Work station 5 (x2), rear curb side slideout workstation (on side walls) • Work station 6 (x2), rear curb side workstation
15.03	2	Monitor mount with pull out arms. NOTE: Locations: Rear curb side slideout workstation (on side walls).
15.04	1	Samsung UN40MU6300 40-Inch 4K Ultra HD Smart LED TV with wall mount bracket. Features: <ul style="list-style-type: none"> • Motion Rate: 120 • Backlight: LED • Smart Functionality: Yes- built in Wi-Fi • Dimensions (W x H x D): TV w/o stand: 36.1 x 21.1 x 2.5 • Inputs: 3 HDMI, 2 USB NOTE: Locations: One (1) forward street side slideout.



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Item	Qty	
15.05	2	Samsung 50" Black LED UHD 4K Smart HDTV - UN50KU6300FXZA (or current model) with wall mount bracket. NOTE: Location: <ul style="list-style-type: none"> • Work station 4, forward curb side slideout • Work station 5, rear curb side slideout.
15.06	1	Samsung 65" Black LED UHD 4K Smart HDTV - UN65KU7000FXZA (or current model) with wall mount bracket NOTE: Location: One (1) front wall in conference room
15.07	1	55" Class The Terrace Partial Sun Outdoor QLED 4K Smart TV. <ul style="list-style-type: none"> • HDMI Connections: 3 • USB: 1 • Ethernet (LAN): Yes • DTV Tuner: ATSC/ClearQAM • Speaker Type: 2CH, 20 W NOTE: Location: Exterior work station
15.08	1	Weatherproof single door exterior work station and TV/monitor compartment. Constructed from 0.125" aluminum with all welded seams and hinged at the top. Includes: <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
15.09	1	Axis camera station S2208 standalone NVR. All-in-one 8-channel, 4TB, high definition recorder with integrated switch. NOTE: Record mast and perimeter cameras.
15.10	1	Wireless keyboard and mouse combo with USB dongle. NOTE: AXIS NVR operation
15.11	1	Winegard Trav'ler Pro DIRECTV HD SK2SWM3 Automatic Multi-Satellite TV Antenna. DIRECTV Satellites: 99°, 101°, 103° Note: Service contract, activation and set up not included.
15.12	2	DirecTV H44 HD Commercial Satellite Receiver.
15.13	2	IR Extenders to remotely control a rack mounted DirecTV receiver in another room or location.
15.14	1	Apple TV appliance mounted in rack and distributed through the matrix switcher.
15.15	1	SILVUS Equipment and installation: (1) Silvus 4400E: Silvus SC4400E 90 Degree Infrastructure Node: StreamCaster 4480 4x4 MIMO radio, 8 Watts (1) Silvus Power: Primary ODU cable for SC4200/SC4400, 6 foot (1) Silvus Power: AC rugged outdoor power supply (1) Silvus Mounts: SC4400 series Quick Release mounting kit



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Item	Qty	
		(4) Silvus Cables/Connectors/Adapters: cable, LMR240, TNC (m), TNC (m), 6 ft (1) Antennas SWA: 4x4 MIMO Antenna 1) Silvus Cables/Connectors/Adapters: GPS Module, 2 nd Gen, Switchcraft Connector, 6 Feet NETWORK SERVICES: Network and Wireless Engineering Services, Radio to radio functionality testing onsite
15.16	1	Axis Communications six camera perimeter surveillance system Six (6) F41 Main Unit: <ul style="list-style-type: none"> • Full HD 1080p Video at 60 fps • Wide Dynamic Range and White Balance • Up to 4 Axis Sensor Units Supported • H.264 Compression, Dual-Stream Capable Six (6) F1035-E camera sensors: <ul style="list-style-type: none"> • 2.MP Outdoor Sensor Camera Unit with 39' Cable • 1080p resolution 1920 x 1080 • Fisheye lens with 194° horizontal field of view • Network surveillance camera • Dustproof / weatherproof • Color • Fixed iris • Fixed focal NOTE: <ul style="list-style-type: none"> • 1 - Front View - camera mounted in box above windshields. • 1 - Rear View - camera mounted in box on rear wall angled to see rear edge of bumper • 1 - Left Side Rearward View - camera mounted just behind Passenger Door • 1 - Left Side Forward View - camera mounted on Slide Out • 1 - Right Side Rearward View - camera mounted just behind Driver Door • 1 - Right Side Forward View - camera mounted at rear - forward facing
15.17	1	JACK® model OA8500 Digital HDTV Antenna + Mount with SureLock™ DTV Signal Meter. No crank up, built in Amplifier and 360° rotation for improved reception.
15.18	1	Extron DXP 1616HD 4K PLUS 16X16 HDMI Matrix Switcher. 60-1497-01 NOTE: Inputs will be (Qty. 16 maximum): <ul style="list-style-type: none"> • (2) DirecTV Receivers • (2) Mast Cameras • (1) Apple TV Appliance • (1) AXIS NVR S2208 • (1) Microwave downlink • (1) Perimeter Camera - Quad View • (1) HDMI Input Jack in the Conference Table • (1) HDMI Input Jack in Exterior TV Compartment • (1) HDMI Input Jack Workstation #1 • (1) HDMI Input Jack Workstation #2 • (1) HDMI Input Jack Workstation #3 • (1) HDMI Input Jack Workstation #4 • (1) HDMI Input Jack Workstation #5 • (1) HDMI Input Jack Workstation #6



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Item	Qty	
		Outputs will (16) monitors.
15.19	1	Extron MKP 2000 X-Y Remote Control Panel for Extron Matrix Switchers. NOTE: Locations: <ul style="list-style-type: none"> • (1) Room 1 • (1) Room 3 • (1) Room 4 • (1) Exterior Workstation
15.20	16	Extron Transmitter wall plate for HDMI - 60-1421-13 DTP T HWP 4K 231 D <ul style="list-style-type: none"> • Transmits HDMI plus control and analog audio up to 230 feet (70 meters) over a shielded CATx cable • Supports computer and video resolutions up to 4K NOTE: HDMI Input jack to Matrix Switcher for distribution <ul style="list-style-type: none"> • (1) Conference Table • (1) Exterior TV Compartment • (1) Workstation #1 • (1) Workstation #2 • (1) Workstation #3 • (1) Workstation #4 • (1) Workstation #5 • (1) Workstation #6
15.21		Extron PS 128 12VDC, 96W rack mountable power supply. <ul style="list-style-type: none"> • Provides 12 outputs with 8 amps at 12-volt DC • Convection cooled • Power and overload status indicator on front and rear panel
15.22	7	HDMI input jack, wall plate and cable. NOTE: HDMI input jack direct to one (1) monitor at each workstation (selected TV TBD) <ul style="list-style-type: none"> • (1) each workstation #1 through #6 • (1) exterior workstation
15.23		HDMI connection cables, as required.
15.24	1	HE Series 24 position Passive Combiner. NOTE: Used for distribution of off-air TV signal.
15.25	1	Prewire and make installation provisions for future installed microwave downlink system. Includes 6-Conductor coax cable run from electronics rack to box on top of mast for antennas. NOTE: Both ends of cable to be left un-terminated. Customer has existing system – needs antenna mounted on top of mast and Cat6 cable run from antenna to rack.



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Item	Qty	
16.00		<u>MAST AND MAST MOUNTED EQUIPMENT:</u>
16.01	1	Fireco 2200 series heavy-duty non-locking telescoping pneumatic mast. Mast features: <ul style="list-style-type: none"> • 265 lb. max top load capacity • 26' 2" extended height • 6' 1" nested height Includes: <ul style="list-style-type: none"> • KEY-WAY breakaway nylon key prevents tower rotation. Easily replaceable. • Air safety valve for over pressure release and condensation drainage. • Water drainage holes to avoid freezing at low temperatures. • Interlock to prevent vehicle from being driven with mast raised. • Fireco tower does not require routine lubrication. • Mast cap covers the top of all tower sections when the tower is in the retracted position keeping dirt and moisture out of the tower when stowed.
16.02	1	Gast 3/4-hp compressor with remote mount 5 gallon air tank.
16.03	1	Custom fabricated 0.125" aluminum Nycoil cylinder painted to match body color.
16.04	1	Custom fabricated 0.125" aluminum mast cover painted to match body color.
16.05	1	Custom fabricated bracket on mast to mount two individual camera systems.
16.06	1	Mast lookup light mounted on mast.
16.07	1	Weatherproof mast up/down control switch on exterior of vehicle.
16.08	2	AXIS Q6315-LE PTZ Dome Network Camera <ul style="list-style-type: none"> • HDTV 1080p and 31x optical zoom • Axis Sharpdome technology with Speed Dry • Optimized IR with power-efficient, long-life 850 nm IR LEDs, range of reach 300 m (984 ft) or more depending on the scene • Built-in laser that provides laser focus for precise focus and quick-zoom functionality, it allows you to easily follow fast-moving objects
16.09	2	Axis T8705 Video Decoder <ul style="list-style-type: none"> • Enables digital monitors to connect to and display live video from Axis network cameras • HDTV 1080p HDMI video decoder • Sequence and Multiview (up to 16 cameras)
16.10	2	Axis T8311 surveillance joystick. USB interface connects to a PC for PTZ control of network cameras.
17.00		<u>RADIOS:</u>
17.01		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.
17.02	12	Prewire and make installation provisions for communications radio. Installation includes: <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.



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Item	Qty	
		<p>NOTE: Customer to supply (6) Motorola APX-6500 800MHz and (6) Kenwood TK-5710 VHF radios. One of each radio will be installed at the seven workstations. LDV to order mic extension cables as needed in order to install radios in customer specified layout. Includes Magnet Mount for all Microphones.</p>
17.03	2	<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. <p>NOTE: Customer to supply (1) Dual Head Motorola APX-6500 800MHz/VHF radio for the cab and exterior workstation. Customer to supply (1) Dual Head – Kenwood TK-5710 VHF radio for the cab and exterior workstation.</p>
17.04	3	<p>Spare antenna. 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: Add 1 VHF, 1 UHF and 1 700/700mHz antennas as spares</p>
17.05		Install hinged panels under countertops to conceal radio transceivers where applicable.
17.06	1	<p>Fabricate and install 3" x 3" square aluminum tubing antenna raceway on the roof of the body and will penetrate the roof on each side of the truck at radio box locations. Includes:</p> <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.
17.07	1	<p>Radio antenna termination panel for up to twenty (20) radios. Includes:</p> <ul style="list-style-type: none"> • TNC bulkhead jack in panel for each radio antenna on the raceway • Antenna leads from radio locations to panel routed through Carlon Carflex ENT conduit with 18" of extra cable at panel to allow customer to reconfigure panel as required <p>NOTE: Include 1 VHF, 1 UHF and 1 700/700mHz antennas as spares in termination panel.</p>
17.08	17	<p>Magnetic microphone holder. Magnetic Mic MMSU-1.</p> <p>NOTE: Clips for (16) radio heads, (1) siren mic.</p>
17.09	1	<p>Uniden SDS200 Digital Police Scanner and externally mounted antenna.</p> <p>NOTE: Location: Workstation #3</p>
17.10	1	<p>Prewire and make installation provisions for customer owned radio rack charger.</p> <p>NOTE: Receptacle are for customer provided radio charger. Outlets will be "HOT" with auto eject.</p>



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Item	Qty	
17.11	5	<p>Plantronics Headset, Jack box and Footswitch. Includes:</p> <ul style="list-style-type: none"> • One (1) Mobile Conductor Box w/ Footswitch PTT enabling mobile radio operator headset capability. • One (1) Primary voltage fluctuation protection electronics (dirty power emitted by vehicles). • 6 ft Radio Interface Cable From Mobile Conductor Box to Motorola APX8500 Mobile radio with DB26 connector. Part # 20-11135-06.. • SHS1890 PTT with carbon type microphone amplifier, PJ-7 connector, and selectable switch operation (momentary or locking modes). 10ft cable. <p>NOTE: Locations: Work stations # 1, 2, 3, 5, and 6.</p>
17.12	1	<p>JPS Z-SERIES Controller (up to 24 resources capable) Six (6) RSP-Z2 DUAL-CHANNEL TOP LEVEL w/Access Kit & Quick Start Guide (5160-600000) Three (3) MCC-4 Multi-Channel Desktop Console (5160-700000) Six (6) CABLE - MOTOROLA RADIO INTERFACE - APX6500/7500 (5961-291262-15) Six (6) CABLE - KENWOOD - NX-700/TK-5710 - ACU-1000/2000 (5961-291293-15) All equipment and cables supplied by LDV</p> <p>NOTE: All 800mhz and VHF radios to be connected to JPS unit to allow for maximum flexibility at dispatcher workstations.</p>
18.00		TELEPHONE SYSTEM:
18.01	1	Bogen TPU-15 (or current model) paging amplifier with four (4) Whelen SA314B (or current model) speakers interfaced with P/A features of the telephone switching system.
18.02		All telephone lines and cellular antenna cable shall be installed in Carlon Flex-Plus ENT conduit or raceway (as applicable).
19.00		COMPUTER NETWORK AND EQUIPMENT:
19.01	32	<p>RJ-45 Cat6 computer network jack with Cat6 cable routed through Carlon Flex-Plus ENT conduit or raceway (as applicable).</p> <p>NOTE: Locations: TBD</p>
19.02	1	Leviton 69270-U24 24-port Cat6 rack mount patch panel.
19.03	1	Leviton 69270-U48 (or current model) 48-port Cat6 rack mount patch panel.
19.04		Certified 18" Cat6 patch cord. As Required.
19.05		Certified 36" Cat6 patch cord. As Required.
19.06	1	Cable Certification Report confirming that network wiring complies with Cat6 specifications.
19.07	2	<p>JL256A Aruba 2930F 48G PoE+ 4-port SFP+ Switch</p> <p>NOTE: Request Specified items (Dell Switches, Peplink Routers, etc.) to be purchased by LDV for project; but drop shipped to COE for configuration before being sent to LDV for install.</p>
19.08	7	Snom D785 phone
19.09	3	Snom D785 phone wall mounts.
19.10	1	Algo 8301 IP Paging Adapter & Scheduler



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19.11	1	PepLink BPL-SDX-PRO-M2. Includes Only: Balance SDX Pro SDX Pro Base Chassis 1U 19" Rack-mount Chassis (ACW-752) L-mount Set (ACW-748) 2x Power Cord (ACW-614) Rubber Foot Pad set Features: Multi-WAN Router (Base version). No expansion modules.
19.12	2	EXM-2X5GH- 5G Cell Module. Each Module has 8x SMA Cell Connectors and 1x SMA GPS Connector.
19.13	4	Peplink mobility 40G Antenna, ANT-MB-40G-Q-B-6 4xLTE, 1xGPS 600-6000MHz, IP68, QMA, Black, 6.5ft / 2m. Includes EXC-SQ-15 LTE/GPS elements extension coax cable, SMA male to QMA female connector, 15ft / 4.5m.
19.14	1	PepLink APP-AX-IP67 Outdoor Wireless Access Point. Note: Does not include service provider contract. Configuration by customer.
19.15	1	PepLink APP-AX-IP67 Outdoor Wireless Access Point. Note: Does not include service provider contract. Configuration by customer.
19.16	1	HP Color LaserJet Pro Multi-Function Printer (MFP) M479FDW Product features: <ul style="list-style-type: none"> • Black/white or color print, copy, scan, and fax capable • 1 Hi-Speed USB 2.0; 1 host USB at rear side; Gigabit Ethernet 10/100/1000BASE-T network; 802.3az(EEE) 802.11b/g/n / 2.4 / 5 GHZ Wi-Fi radio • Dimensions (W X D X H) 16.8 x 25.7 x 16.3 in; 51.6 Lbs.
19.17	6	Install customer owned computer. NOTE: Full tower computers are needed to run our city camera system.
19.18	7	HDMI to Display Port cable for computer connection to Samsung Monitors. NOTE: Two runs from each streetside computer in Room 3 to 24" monitors One run from curbside computer in Room 3 to large monitor One from each computer in Room 4 to 27" monitor
19.19	2	HDMI cables run from computer to television. NOTE: One run from each computer in Room 4 to 32" television on wall. Connected to HDMI 2.
19.20	6	Quad USB-3.0 wall jacks mounted at workstation with cables run to computer.
19.21	1	U8 antenna with an iDirect IQ200 modem, 20W BUC, and LTE Advanced Pro. Includes: <ul style="list-style-type: none"> • Kymeta, U8911-11113-0, RDS (COTM) - Kymeta Hawk U8 GEO Terminal • Kymeta Maintenance Plan: U8 Geo Terminal one year plan, Required By Manufacturer • LDV custom roof mount
19.22	1	Fiber Input Cable run from the Input Box to the Router. NOTE: Will need to determine what type of Fiber Cable and Connector is needed
19.23	1	NEMA GPS antenna mounted on roof with cable running to Workstation 3 in Room 4. NOTE: This will have a USB connector that is run to a USB hub and then connected to the computer.



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20.00		MISCELLANEOUS ELECTRONICS:
20.01	1	<p>Columbia Weather Systems Magellan MX™ series model MX500 weather station with LCD touch screen display. System includes the following:</p> <ul style="list-style-type: none"> • All-in-one multi-parameter sensor housed in a self-aspirating radiation shield • Temperature Sensor • Relative Humidity Sensor • Digital Barometer • Relative humidity probe. • Ultrasonic wind direction & speed sensor with mounting adapter • Automatic self-alignment of wind direction using internal compass • Internal GPS • WeatherMaster™ software: Graphical weather monitoring software for Windows operating environment; displays, reports, and records current weather conditions. Readings data logged in Access database for future analysis and inclusion with other Windows-based programs. Internet capable, alarm notification program, and multi-station viewing features. Also includes ability to interface with Cameo/Aloha for plume modeling. • Touch screen LCD Color Weather Display Console™ • 19" rack mount chassis or wall mount • Displays real-time weather readings on four viewing screen views: Main, Aux, Trend and Min/Max. • Displays daily max/min data • FRC Kwik Raze KR-SB-500-I bottom raise pole with sensor permanently mounted on top. Pole has quick release handle that enables the pole to be raised approximately 24" above the roof line. <p>NOTE: Location of display: One (1) in the forward conference room.</p>
20.02	3	<p>Masterclock NTDS26 (or current model) networked synchronized clocks. Product features:</p> <ul style="list-style-type: none"> • Uses external (or your own internal) NTP source for accurate traceable time. • Display time in 12 or 24 hr format. • Display date in mm:dd:yy or dd:mm:yy. • All international time zones. • All automatic daylight saving time.
20.03	1	Middle Atlantic Products, Inc. MRK-4026 forty-space 19" wide x 26.5" depth (24" useable depth) open framed electronics equipment rack with caster base. Rack can easily slide out from its fixed position to allow side access to rack equipment.
20.04	1	Middle Atlantic VFD-40 Vented front door with Thumb Latch (No Key Lock).
20.05	1	Middle Atlantic MW-4FT top fan panel, with two (2) 50 cfm ventilation fans, QFAN.
20.06	3	Middle Atlantic PD-815SC-NS 15 amp power strip with eight (8) outlets. Includes PB-XS rack mounting bracket.
20.07	1	6" X 50" Full color – Outdoor programmable LED sign board mounted in recessed pan on side of body.



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 www.ldvusa.com

Item	Qty	
20.08	1	Cast Products EB00013-1 (or current model) cast aluminum box with key lock. The rear of the box will be removed to allow cables to be passed into the vehicle. NOTE: Located in Streetside skirting under front slide out.
20.09	2	Cast Products EB00013-1 cast aluminum weatherproof box with key lock. NOTE: Locations: <ul style="list-style-type: none"> • One (1) located on street side near Workstation #3 • One (1) located on curb side behind the Electronics Rack
20.10	3	Shroud with weatherproof pass-through hatch installed in the door of the input box.
20.11	3	Exterior input box door painted to match body.
21.00		<u>EXTERIOR STORAGE COMPARTMENTS:</u>
21.01	3	Single door underbody storage compartment with approximate interior dimensions up to 36" wide x 25" deep constructed from 0.125" aluminum with all welded seams. NOTE: Locations: <ul style="list-style-type: none"> • Street side forward of rear wheels for storage. • Street side rearward of rear wheels for mast compressor. • Curb side rearward of rear wheels for storage.
21.02	1	Single door underbody storage compartment with approximate interior dimensions of 15" high x up to 60" wide x 25" deep constructed from 0.125" aluminum with all welded seams. NOTE: Locations: Curb side under forward slide out room for slideout pump and power converters.
21.03		Compartments listed above will be constructed to the following specifications: <ul style="list-style-type: none"> • Sweep out type bottoms with 1/2" drain holes. • 2" box pan doors and door frames fabricated from 0.125" aluminum. • Door frames shall be riveted to the body and welded to the compartments. • Compartments shall have an LED light that illuminates when the door is opened. Compartment doors will be constructed to the following specifications: <ul style="list-style-type: none"> • Stainless steel hinges attached with stainless machine screws. • Slam latches and flush mounted handles. • 0.100" bright polished aluminum diamond plate on interior surfaces fastened with stainless hardware. • All doors shall be sealed with industrial grade neoprene gasket.
21.04		Dri-Dek matting on shelves.
21.05	1	Exterior charging station with flip down workstation surface. Door to be constructed from 0.125" aluminum with all welded seams, hinged at the bottom and door activated LED light strip. Product features: <ul style="list-style-type: none"> • Cable supports and locking latch. • Installed and Painted to match body. • Does not include inputs (CAT6, 12V, 120V, or inputs)



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21.06	3	Custom fabricated aluminum box pan shelf, approximately 24" deep. NOTE: Located in exterior compartments.
21.07		Heavy extruded aluminum B-Line channel fastened to bulkheads for shelf support in exterior compartment.
22.00		MISCELLANEOUS OTHER:
22.01	2	Girard Nova motorized retractable lateral arm awning. Features: <ul style="list-style-type: none"> • Dual-pitch awning with up to three lateral arms for superior strength, • AC electric powered motor with crank handle/manual override • Sensor that will retract the awning to prevent damage from the wind
22.02	2	Girard awning LED light kit. G-Lite Awning Lighting system is an LED light strip in the outer rail to illuminate area under awning. NOTE: Controlled by a button on the Multiplex system.
22.03	1	15" wide roof access ladder mounted on rear. Ladder features: <ul style="list-style-type: none"> • All welded construction for maximum strength • 1" diameter X 0.083" brush finished tubular aluminum rails • Aluminum grip-strut rungs
22.04	1	Heavy-duty Quadra Mfg. Bigfoot® four point fully automatic one-touch leveling system. Includes: <ul style="list-style-type: none"> • Four (4) QEII-26 jacks with 17,000-lb. capacity each, 26" long with 20" stroke • Air ride dump valve • Fully automatic control panel with manual feature • Safety interlock when jacks are deployed
22.05	1	Set of four (4) Super Dolly Pads high density polypropylene, injection molded yellow colored for use with leveling system jacks. Pads measure 15" x 17" x 1" thick with a grab strap on one side.
22.06	1	Removable Quartet Magnetic Porcelain Marker Board QRT P563T 36" x 24". <ul style="list-style-type: none"> • White, magnetic; matte finish for reduced glare. • Full-size tray for markers and erasers. • Magnetic brackets on the exterior of the vehicle.
22.07	3	5 pound dry chemical fire extinguisher. NOTE: Locations will be determined at final inspection.
22.08	4	Battery powered combination Carbon Monoxide and Smoke alarm.
22.09	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. • Roof top antenna placement drawing and legend identifying antenna placements and termination points.



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Item	Qty	
		<ul style="list-style-type: none"> • 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.
22.10	1	<p>TRAINING. An LDV representative will provide up to eight (8) hours of orientation on LDV provided systems, as applicable:</p> <ul style="list-style-type: none"> • Generator start up and shut down procedure • Leveling system operation • AC and DC electrical systems operation • HVAC systems operation • Mast operation • Audio/Video system operation, does not include programming DVR's, TV's, etc. • Alarm operation • Awning operation
22.11	6	<p>Inspection/training trip to manufacturer facilities. Includes roundtrip airfare, car rental, and lodging. Minimum fourteen (14) day advance notice of travel is required.</p> <p>NOTE: Escondido PD requests to include visits to LDV facility for Q.A meetings as needed:(pre-construction; pre-delivery, etc.)</p>
22.12		<p>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.</p>
22.13		<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>