



BID PACKAGE

CITY OF BEVERLY HILLS
OFFICE OF THE CITY CLERK, ROOM 290
455 NORTH REXFORD DRIVE
BEVERLY HILLS, CALIFORNIA 90210
(310) 285-2440

LEGAL NOTICE - BIDS WANTED

Sealed proposals are requested on the list of materials, supplies, equipment or services set forth herein, subject to all conditions outlined in the Proposal Document, including:

- SECTION I:** REQUEST FOR BIDS
- SECTION II:** GENERAL INFORMATION AND INSTRUCTION
- SECTION III:** DETAIL SPECIFICATIONS
- SECTION IV:** BID FORM

(IF YOU CHOOSE NOT TO SUBMIT A BID, PLEASE COMPLETE PAGE 30)

Sealed proposals will be received only at the **Office of the City Clerk**, 455 North Rexford Drive, Beverly Hills, until 2:00 p.m. local time, on the dates hereinafter stated at which time they will be opened and publicly read for furnishing the materials, supplies, equipment or services or for supplying the materials, and/or providing labor for the repair, construction or improvement as the case may be, as indicated by the items hereunder listed and in accordance with the applicable specifications.

SECTION I – REQUEST FOR BIDS

Date of Request: December 16, 2016

Bid Number: 15-58

Item Description: Truck, Mobile Command Center

Bid Opening: Thursday, January 14, 2016 at 2:00 PM

All bids must be delivered by the specified opening time of the bid. Bids arriving after the specified hour will not be accepted. Mailed bids, which are delivered after the specified hour will not be considered regardless of postmarked time on the envelope. All bids must be in writing and must contain an original signature by an authorized officer of the firm - Electronic bids (telephone, FAX, etc.) are **NOT** acceptable.

BID DEPOSIT - NONE REQUIRED WITH THIS BID
PERFORMANCE BOND AND PAYMENT BOND - NONE REQUIRED WITH THIS BID.
THE CITY RETAINS THE RIGHT TO REJECT ANY AND ALL BIDS WITHOUT CAUSE AND/OR ELECT NOT TO AWARD A BID.

CITY OF BEVERLY HILLS
SECTION II - GENERAL INFORMATION AND INSTRUCTION

1. Bid deposits of unsuccessful bidders will be returned after the bid has been awarded. A successful bidder's bid deposit will be returned after he has entered into a written contract, or after a performance bond, if required, has been executed and accepted by the City.
2. The vendor's proposal may be withdrawn at any time prior to the bid opening. No proposal may be withdrawn after the bid opening. Violation of this policy may cause forfeiture of the bid deposit and removal from qualified Bidder's List.
3. Bidders are advised to become familiar with all conditions, instructions and specifications governing this bid. Once the award has been made, a failure to have read all the conditions, instructions and specifications of this contract shall not be cause to alter the original contract or for vendor to request additional compensation.
4. Bidders agree to defend and save the City from and against all demands, claims, suits, costs, expenses, damages and adjustments based on any infringement of any patent relating to goods specified in this contract.
5. Successful bidder shall not assign the contract, or subcontract the whole or any part of the contract without written consent of the City. Such consent shall neither relieve the bidder from his obligation nor change the terms of the contract.
6. The City shall have the right to inspect any material specified herein. Equipment, supplies or services that fail to comply with the specifications herein regarding design, material or workmanship are subject to rejection at the option of the City. Any materials rejected shall be removed from the premises of the City at the expense of the vendor.
7. Bidder shall state the nature and period of any warranty or guarantee. Manufacturer's specifications shall be submitted with the bid and shall be considered a part of this contract where such specifications meet the minimum of the City specifications.
8. Each bidder shall submit in full this completed original BID DOCUMENT and all necessary catalogues, descriptive literature, etc., needed to fully describe the materials or work he proposes to furnish.
9. Bidders shall state the delivery date for commodities in terms of calendar days after notification of award. Where the contract calls for performance of labor, the bidder shall also state the number of calendar days required for completion after notification of award.
10. Cash discounts shall be considered in the evaluation of the bids, except that payment periods of less than thirty (30) days will not be considered in award of this bid. Where cash discounts are offered, the discount date shall begin with the invoice date or delivery date to the City, whichever is later.

11. Upon the award of the bid to the successful bidder, **if** insurance is required by the terms of this bid, the City will require evidence of such coverage be furnished within fourteen (14) days of notification of bid award. The amounts and types of coverage will be specified in Section IV of this bid. **All insurance forms must be in a format acceptable to the City.**
12. The Contractor agrees to indemnify, defend and hold harmless the City, City Council and each member thereof, and every officer, and employee of the City, from any liability or financial loss including, without limitation, attorney's fees and costs, arising in any manner whatsoever from any intentional, reckless, negligent, or otherwise wrongful acts, errors or omissions of Contractor, or any person employed by Contractor, including agents and independent contractors, in the performance of this agreement.
13. Every supplier of materials and services and all contractors doing business with the City shall be an "Equal Opportunity Employer" as defined by Section 2000 (E) of Chapter 21, Title 42 of the United States Code Annotated and Federal Executive Orders #11375, and as such shall not discriminate against any other person by reason of race, creed, color, religion, age, sex or physical or mental handicaps with respect to the hiring, application for employment, tenure, terms or conditions or employment of any person.
14. Prices quoted herein must be firm for a period of not less than ninety (90) days after date of bid opening.
15. Bids calling for other than a "lump sum" total bid may be awarded by single item, by groups of items, or as a whole, as the City deems to be in the best interest of the City.
16. The City will be the sole and exclusive judge of quality, compliance with bid specifications or any other matter pertaining to this bid. The City reserves the exclusive right to award this bid in any manner it deems to be in the best interest of the City.
17. Quantities specified in Section III are approximate only, the City reserves the right, within the period for delivery to increase or decrease the quantity ordered and upon mutual agreement after the period specified for delivery, order additional quantities of items bid.
18. "Contractor shall cooperate with the City in all matters relating to taxation and the collection of taxes. It is the policy of the City to self-accrue use tax associated with its own purchases. The City requests that its contractors self-accrue their use tax, **when applicable**, and report the use tax to the State Board of Equalization with a City-assigned permit number. The City's own use tax which is self-accrued by the City will be remitted to the State of California pursuant to the City's permit with the State Board of Equalization."
19. For any questions regarding this bid, please contact Craig Crowder at (310) 285-2484 or Ron Derderian at (310) 285-2132.
20. **A duplicate copy of your bid must be submitted along with the original.**

SECTION III – DETAILED SPECIFICATIONS

SUBSECTION A - TECHNICAL NOTES

IN EVENT OF CONFLICT, THE FOLLOWING SPECIFICATIONS SHALL PREVAIL OVER GENERAL INSTRUCTIONS CONTAINED ELSEWHERE IN THIS BID.

IMPORTANT NOTICE - THIS SECTION III, SUBSECTION A, COMPLETED WITH REQUIRED INFORMATION AND/OR BIDDER'S EXCEPTIONS MUST BE ATTACHED TO AND RETURNED WITH SECTION IV - BID FORM.

THE FOLLOWING SPECIFICATIONS OUTLINE THE MINIMUM REQUIREMENTS FOR A CUSTOM MANUFACTURED COMMAND CENTER TO BE UTILIZED BY THE BEVERLY HILLS POLICE DEPARTMENT.

THE COMMAND CENTER WILL BE DIVIDED INTO TWO (2) DISTINCT AREAS SEPARATED BY ONE (1) POCKET DOOR. AREA ONE WILL HAVE A MINIMUM OF THREE (3) DISPATCH WORKSTATIONS WITH A FLAT FLOOR SLIDE OUT ROOM EXTENSION. ALSO CONTAINED WITHIN THIS AREA WILL BE TWO (2) EIA EQUIPMENT RACKS, A PRINTER MOUNTED ON A SLIDE OUT TRAY, STORAGE CABINETS AND GALLEY EQUIPMENT. AREA TWO WILL BE A CONFERENCE AREA WITH SEATING FOR UP TO TWELVE (12) PEOPLE, THIS AREA WILL INCLUDE A FLAT FLOOR SLIDE OUT ROOM EXTENSION. WHILE ALL EFFORTS HAVE BEEN MADE TO FULLY DETAIL THE CONSTRUCTION MATERIALS METHODS AND EQUIPMENT REQUIRED TO BUILD THIS VEHICLE IT REMAINS THE VENDOR'S RESPONSIBILITY TO CHOOSE COMPONENTS THAT WILL PROVIDE MAXIMUM PERFORMANCE, SERVICE LIFE AND SAFETY AND NOT JUST MEET THE MINIMUM REQUIREMENTS.

NO DRAWINGS ARE PROVIDED. IT IS IN THE BEST INTEREST OF BEVERLY HILLS TO EVALUATE EACH VENDOR'S CONFIGURATION CONCEPTS BASED ON THE DESCRIPTION ABOVE AND THE INFORMATION INCLUDED THROUGHOUT THESE SPECIFICATIONS.

DUE TO THE COMPLEXITY OF THE CONVERSION VENDORS MUST PROVIDE DETAILED SPECIFICATIONS. A GENERAL STATEMENT OR LETTER STATING THAT THE VENDOR MEETS ALL SPECIFICATIONS WILL NOT BE ACCEPTABLE. ADDITIONALLY, PHOTO COPIES OF THIS SPECIFICATION WILL NOT BE AN ACCEPTED RESPONSE. FOR EASE OF EVALUATION, ALL SUBMITTED SPECIFICATIONS MUST FOLLOW THE FORMAT OF THIS DOCUMENT. FAILURE TO MEET THESE REQUIREMENTS WILL RESULT IN DISQUALIFICATION.

TO INSURE THE DEPARTMENT A SOURCE OF SERVICE AND PARTS OVER THE ANTICIPATED LIFE OF THE APPARATUS, POTENTIAL VENDORS MUST HAVE ESTABLISHED A PERMANENCY IN THE INDUSTRY FOR A MINIMUM OF TWENTY (20) YEARS. VENDORS MUST INCLUDE IN THE PROPOSAL A LIST OF FIFTEEN (15) VEHICLES OF SIMILAR (OR GREATER) SIZE AND COMPLEXITY BUILT IN THE LAST YEAR AND SEVENTY-FIVE (75) IN THE LAST FIVE YEARS (INCLUDE DEPARTMENT NAME, CONTACT NAME AND TELEPHONE NUMBER). VENDORS ARE ALSO REQUIRED TO INCLUDE A MINIMUM OF EIGHT (8) REFERENCES OF VEHICLES WITH TOUCH SCREEN VEHICLE AUTOMATION SYSTEMS BUILT AND DELIVERED IN THE LAST TWELVE (12) MONTHS (INCLUDE DEPARTMENT NAME, CONTACT NAME AND

TELEPHONE NUMBER). VENDORS MUST ALSO INCLUDE REFERENCES FOR A MINIMUM OF TWELVE (12) VEHICLES WITH FULLY AUTOMATIC FLAT FLOOR SLIDE OUT ROOM EXTENSIONS BUILT AND DELIVERED IN THE PAST TWELVE (12) MONTHS (INCLUDE DEPARTMENT NAME, CONTACT NAME AND TELEPHONE NUMBER). FAILURE TO MEET THESE REQUIREMENTS WILL RESULT IN DISQUALIFICATION.

NOTE: REFERENCES OF A SUBCONTRACTOR OR SUBSIDIARY WILL NOT BE ACCEPTABLE. ALL REFERENCES MUST BE FOR VEHICLES BUILT AND DELIVERED BY VENDOR.

THE ABILITY TO HAVE THE COMMAND CENTER FULLY OPERATIONAL IN A MINIMUM AMOUNT OF TIME IS OF UTMOST IMPORTANCE TO THE BEVERLY HILLS POLICE DEPARTMENT, THEREFORE A FULLY INTEGRATED VEHICLE AUTOMATION SYSTEM IS REQUIRED. THE VEHICLE AUTOMATION SYSTEM MUST INCLUDE AN AUTO SET UP MODE THAT WILL ENABLE THE COMMAND CENTER TO BE FULLY OPERATIONAL/FULLY DEPLOYED IN NO MORE THAN TEN MINUTES TIME BY A SINGLE OPERATOR. THIS INCLUDES BUT IS NOT LIMITED TO: GENERATOR STARTUP, INTERIOR AND EXTERIOR LIGHTING POWERED ON, HVAC SYSTEMS POWERED ON, GALLEY EQUIPMENT POWERED ON, AUDIO/VIDEO SYSTEMS POWERED ON, SLIDE OUTS DEPLOYED, LEVELING SYSTEM DEPLOYED, RADIO SYSTEMS POWERED ON, COMPUTER NETWORK EQUIPMENT POWERED ON, BATTERY CHARGING SYSTEM POWERED ON, AND AWNING EXTENDED. COMPLETE DETAILS FOR THE VEHICLE AUTOMATION SYSTEM ARE LISTED THROUGHOUT THE SPECIFICATIONS.

BEVERLY HILLS RESERVES THE OPTION TO REQUEST, AND THE VENDOR SHALL AGREE TO PROVIDE, AN ON-SITE DEMONSTRATION AND EVALUATION OF A VEHICLE THAT HAS A FULLY INTEGRATED VEHICLE AUTOMATION SYSTEM. THE DEMONSTRATOR UNIT SHALL BE MADE AVAILABLE PRIOR TO AWARD AND PROVIDED AT NO ADDITIONAL COST. TIME AND AMOUNT OF HOURS REQUIRED FOR SUCH EVALUATION SHALL BE AS DETERMINED BY BEVERLY HILLS.

BEVERLY HILLS WILL NOT MAKE A DOWN PAYMENT, PREPAYMENTS OR PROGRESS PAYMENTS. NO EXCEPTIONS.

VENDOR MUST BE ON GSA SCHEDULE 23V, SIN 190-03 AND SUPPLY GSA 1-UNIT PRICING WITH THEIR RESPONSE. NO EXCEPTIONS.

VENDOR MUST BE ISO 9001:2008 CERTIFIED AND MUST INCLUDE A COPY OF THEIR CERTIFICATION CERTIFICATE WITH RESPONSE.

THE ISO 9001:2008 STANDARD IS RECOGNIZED AROUND THE WORLD AND IS AN EXTREMELY COMPREHENSIVE BUSINESS MANAGEMENT SYSTEM. THIS WILL ASSURE THAT BEVERLY HILLS WILL BE WORKING WITH A VENDOR THAT MAINTAINS CONSISTENCY IN ALL PHASES OF THEIR OPERATIONS.

THE INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO) WAS ESTABLISHED IN 1947 AND IS AN ASSOCIATION OF 170 MEMBERS, WITH EACH REPRESENTING THEIR OWN COUNTRY. ISO EMPLOYS A SYSTEM OF TECHNICAL COMMITTEES, SUB-COMMITTEES AND WORKING GROUPS TO DEVELOP INTERNATIONAL STANDARDS. THE ISO 9001 STANDARD IS A QUALITY ASSURANCE MODEL MADE UP OF 20 SETS OF QUALITY SYSTEM REQUIREMENTS.

THIS BUSINESS MANAGEMENT SYSTEM ALLOWS THE MANUFACTURER TO MONITOR PROCESSES TO ENSURE THEY ARE EFFECTIVE; KEEP ADEQUATE RECORDS; CHECK OUTPUT FOR DEFECTS, WITH APPROPRIATE AND CORRECTIVE ACTION WHERE NECESSARY; REGULARLY REVIEW INDIVIDUAL PROCESSES AND THE QUALITY SYSTEM ITSELF FOR EFFECTIVENESS; AND FACILITATE CONTINUAL IMPROVEMENT. BEVERLY HILLS HAS DETERMINED THAT THIS SYSTEM WILL ENSURE THAT THE SUPPLIER CAN ASSIST WITH TECHNICAL SUPPORT AND TECHNOLOGY UPGRADES FOR THE LIFE OF THE VEHICLE. NO EXCEPTIONS TO ANY OF THE ISO REQUIREMENTS.

PROTOTYPE AND/OR DEMONSTRATOR VEHICLES WILL NOT BE ACCEPTED UNDER ANY CIRCUMSTANCE. ADDITIONALLY THE BODY IS TO BE A STANDARD COMMERCIALY AVAILABLE PRODUCTION MODEL AND MAY NOT INCLUDE ANY PROPRIETARY CONSTRUCTION TECHNIQUES OR COMPONENTS. NO EXCEPTIONS.

VENDOR MUST STOCK A COMPLETE LINE OF SPECIAL SERVICE EQUIPMENT AND PARTS FOR THIS APPARATUS. VENDOR MUST BE ABLE TO SUPPLY 90% OF PARTS REQUIRED TO MAINTAIN THIS VEHICLE WITHIN 24 HOURS AND HAVE THE BALANCE AVAILABLE WITHIN 72 HOURS. NOTE: BEVERLY HILLS RESERVES THE RIGHT TO REQUEST CERTAIN ITEMS BE SHIPPED AT VENDOR'S EXPENSE TO VERIFY ABILITY TO COMPLY. FAILURE TO RESPOND AS STATED WILL BE CAUSE FOR REJECTION.

BRAND NAMES ARE USED TO ESTABLISH MINIMUM STANDARDS. IF AN ALTERNATE BRAND OR MODEL IS SPECIFIED, EQUIVALENCY MUST BE DEMONSTRATED. ALL EXCEPTIONS ARE TO BE LISTED ON A SEPARATE SHEET OF PAPER WITH REASONS FOR EXCEPTIONS. IF AN ITEM IS TO BE PURCHASED, RATHER THAN MANUFACTURED BY THE VENDOR, APPROPRIATE LITERATURE DEMONSTRATING EQUIVALENCY MUST BE PROVIDED. FAILURE TO DEMONSTRATE EQUIVALENCY WILL BE CAUSE FOR REJECTION.

IN ORDER TO FAIRLY EVALUATE EACH VENDOR'S TECHNICAL ABILITY AND DESIGN CAPABILITY, BLUEPRINTS ARE TO BE PROVIDED. ALL PRINTS SUBMITTED WILL BE ON THE SAME SIZE PAPER AND TO THE SAME SCALE.

THE DRAWINGS ARE TO BE ON "D" SIZE PAPER, 24" X 36" IN SIZE, ALL VIEWS MUST BE ON 1/2" = 12" SCALE. CAD PRINTS ARE PREFERRED.

THE DRAWINGS ARE TO BE PROVIDED AS FOLLOWS:

- INTERIOR FLOOR PLAN (OVERHEAD)
- RIGHT HAND SECTION VIEW INTERIOR
- LEFT HAND SECTION VIEW INTERIOR
- APPROPRIATE SECTION VIEWS INTERIOR
- DRIVER AND PASSENGER VIEW EXTERIOR
- FRONT AND REAR VIEW EXTERIOR
- ROOF TOP VIEW EXTERIOR

IN ADDITION TO THE DRAWINGS EACH VENDOR MUST INCLUDE A PAYLOAD CALCULATION WORK SHEET SHOWING THE ESTIMATED AS BUILT FRONT AXLE, REAR AXLE AND TOTAL VEHICLE WEIGHT OF THE PROPOSED VEHICLE. THESE CALCULATIONS MUST BE BASED ON PREVIOUSLY BUILT VEHICLES PRODUCED BY

THE VENDOR. FAILURE TO MEET THIS REQUIREMENT WILL RESULT IN DISQUALIFICATION.

SUBSECTION B - SPECIFICATIONS

SPECIFICATIONS

BIDDER'S EXCEPTIONS

I. CHASSIS:

1 - 2016 Freightliner MT-55 forward control chassis with 26,000-lb GVWR.
Built to the following specifications.

Engine:

CUM ISB 6.7-300 300 HP @ 2600 RPM, 2600 GOV, 660 LB/FT @ 1600 RPM

2015 OBD/2010 EPA/CARB/GHG14

NO IDLE LIMITER, ELECTRONIC ENGINE

2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LEFT SIDE OF HOOD) 65 MPH ROAD SPEED LIMIT

CRUISE CONTROL SPEED LIMIT 1 MPH LOWER THAN ROAD SPEED LIMIT

NO IDLE SHUTDOWN CONFIGURATION

PTO MODE ENGINE RPM LIMIT - 2300 RPM

PTO MODE BRAKE OVERRIDE - SERVICE BRAKE ONLY ENABLED

PTO RPM W/CRUISE SET SW - 1000 RPM

PTO RPM WITH CRUISE RESUME SWITCH - 1000 RPM

PTO MODE CANCEL VEHICLE SPEED - 0 MPH

PTO GOVERNOR RAMP RATE - 200 RPM PER SECOND

PTO MINIMUM RPM - 700

REGEN INHIBIT SPEED THRESHOLD - 5 MPH

ALTERNATE SWITCH SPEED 950 RPM

MAXIMUM ENGINE RPM = 2500 ON VSS FAILURE

TRANSMISSION VEHICLE INTERFACE CONNECTOR WIRED TO TRANSMISSION ECU

PKG 360 - 1K/2KRDS/EVS/SPS - 5TH GEN

ALLISON TRANS - SEM/LRTP REQ

TRANS PROG-ENABLED

5, 3, 2, 1 - D, 3, 2, L -1K/2K PRIMARY GEARS

DSS, ARM, FS; DSS-DISABLED, ARM-DISABLED, FS-DISABLED

RANGE INDICATION, PARK, NEUT

Specifications

Bidder's Exceptions

SHIFT LEVER, CABLE LINKAGE, AUTO TRANS, MTD ON RH SIDE OF CONTROL SUPPORT

Engine Equipment:

690 SQ-IN DOWNFLOW RADIATOR MOUNTED IN FRONT

ENGINE OIL CHECK AND FILL MOUNTED ON RADIATOR

STANDARD ENGINE OIL

FARR ECO BC AIR CLEANER WITH WATER SEPARATOR

FRONTAL AIR INTAKE

AIR INTAKE PIPING - CLNR TO ENGINE

AIR CLEANER MOUNTED ON RAIL

LN 12V 270 AMP 4942PA PAD MOUNT ALTERNATOR

(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES

BATTERY BOX MOUNTED RIGHT HAND WITH BATTERIES PERPENDICULAR TO FRAME RAIL

FRAME GROUND RETURN, BATTERY CABLES WITH EYELET CONNECTORS

NO BATTERY SHUTOFF SWITCH

CUMMINS 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE

STD MECH AIR COMP GOV

TEFLON COMPRESSOR DISCHARGE LINE

GVG, FIRE AND EMERGENCY SERVICE VEHICLES ENGINE WARNING

CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH

RETARDER CONTROL WIRING AND CONTROL SWITCH

ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND DASH MOUNTED SINGLE REGENERATION REQUEST/INHIBITIT SWITCH

HORIZONTAL DIESEL PARTICULATE FILTER AFTERTREATMENT DEVICE

RH FRAME MOUNTED HORIZONTAL AFTERTREATMENT DEVICE

10 GALLON DEF TANK RH FRAME MTD

HORIZONTAL SCR CATALYST

RH IB FRAME MTD HZ SCR CATALYST

EXHAUST MITIGATION DEVICE FTL 4" ID SLIP-FIT

LH HORIZONTAL TAILPIPE, EXIT FORWARD OF REAR TIRES

ADC ELEC-MG ON/OFF ENGINE FAN CLUTCH

Specifications

Bidder's Exceptions

CUMMINS SPIN ON FUEL FILTER
FULL FLOW OIL FILTER
RADIATOR MOUNTED SURGE TANK
AIR RECIRCULATION SHIELD
ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE-CHARGED SCA HEAVY DUTY COOLANT
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
BREEZE CONSTANT TORQUE CLAMPS (COOLANT HOSE) - WHERE POSSIBLE
STANDARD CHARGE AIR COOLER PLUMBING
NO OPTIONAL RADIATOR PLUMBING
NO BLOCK HEATER
NO ENGINE HEATER RECEPTACLE
ALUMINUM FLYWHEEL HOUSING
NIPPON-DENSO 12V STARTER WITH COPPER CONTACTS

Transmission:

ALLISON 2200 EVS AUTOMATIC TRANSMISSION WITH PARK PAWL AND PTO PROVISION

Transmission Equipment:

WATER TO OIL TRANSMISSION COOLER
TRANSMISSION OIL CHECK AND FILL
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle & Equipment:

DA-F-10.0-3 10,000# FF1 69.0 KPI/3.50DROP SINGLE FRONT AXLE
NON-ASBESTOS FRONT BRAKE LINING
MERITOR 15X4 Q+ CAM FRONT BRAKES
HALDEX FRONT BRAKE CHAMBERS
MERITOR 5.5" UNHANDED AUTOMATIC FRONTSLACK ADJUSTERS
CAST IRON OUTBOARD FRONT BRAKE DRUMS
GUNITE IRON FRONT HUBS
FRONT OIL SEALS
VENTED FRONT HUB CAPS W/WINDOW, CENTER AND SIDE PLUGS - OIL
MOBIL SYNTHETIC SHC007 FRONT AXLE LUBE
STANDARD SPINDLE NUTS FOR ALL AXLES

Specifications

Bidder's Exceptions

STANDARD CUPS AND CONES (WHEEL BEARINGS) FRONT AND REAR
TRW TAS-65 POWER STEERING
TRW POWER STEERING PUMP
2 QUART POWER STEERING RESERVOIR

Front Suspension:

10,000# TAPERLEAF FRONT SUSPENSION
MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION
FRONT STABILIZER BAR
SACHS FRONT SHOCK ABSORBERS

Rear Axle & Equipment:

DA-RS-17.5-2 17,500# R-SERIES SINGLE REAR AXLE
5.13 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
SPL100 DANA SPICER MAIN DRIVELINE WITH HALF ROUND YOKES
SYNTHETIC 75W-90 REAR AXLE LUBE
TRANSMISSION AND REAR AXLE DRIVELINE GUARD
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR,
FAB'D SHOES
NON-ASBESTOS REAR BRAKE LINING
CHBR STD LOCATION
CONMET CAST IRON REAR BRAKE DRUMS
REAR BRAKE DUST SHIELDS
REAR OIL SEALS
NO DRIVELINE PARKING BRAKE
HALDEX GOLDSEAL TAMPER PROOF 1-DRIVE AXLE SPRING PARKING
CHAMBERS W/ORANGE ALERT
BENDIX VERSAJUST AUTOMATIC REAR SLACK ADJUSTERS

Rear Suspension:

18,000# AIRLINER REAR SUSPENSION
AIRLINER HIGH POSITION RIDE HEIGHT
MANUAL DUMP VALVE FOR AIR SUSPENSION W/INDICATOR LIGHT, W/O
GAUGE
DUAL INSTANT RESPONSE REAR SUSPENSION LEVELING VALVES
REAR SWAYBAR

Specifications

Bidder's Exceptions

GABRIEL REAR SHOCK ABSORBERS

Brake System:

AIR BRAKE PACKAGE

WABCO 4S/4M ABS WITHOUT TRACTION CONTROL

REINFORCED NYLON, FABRIC BRAID & WIRE BRAID CHASSIS AIR LINES

FIBER BRAID HOSE FRONT SERVICE BRAKE

FIBER BRAID HOSE REAR SERVICE BRAKE

FIBER BRAID PARKING BRAKE HOSE

STANDARD BRAKE SYSTEM VALVES

FRONT BRAKE VALVE, 5-8 PSI SUSTAINED CRACK PRESSURE

COMBO-ABS/SERVICE BRAKE VALVE WITH 5.5 PSI CRACK PRESSURE

HALDEX PUREST AIR DRYER WITH ELECTRIC HEATER

AIR DRYER MOUNTED INBOARD ON LH RAIL

STEEL AIR BRAKE RESERVOIRS

(1) AUTO DRAIN VALVE AND (2) MANUAL DRAIN VALVES WITH PULL CORD

Trailer Connections:

CHASSIS POWER DISTRIBUTION MODULE (CPDM)

Wheelbase & Frame:

6350MM (250 INCH) WHEELBASE

5/16X2.81X9-1/8 INCH STEEL FRAME (7.94MMX231.8MM/0.312X9.12 INCH) 80KSI

3350MM (132 INCH) REAR FRAME OVERHANG

SQUARE END OF FRAME

NO FRONT CLOSING CROSSMEMBER

FRONT SUSPENSION CROSSMEMBER

STANDARD MIDSHIP #1 CROSSMEMBER(S)

STANDARD SUSPENSION CROSSMEMBER

Chassis Equipment:

THREE-PIECE 14 INCH CHROMED STEEL BUMPER WITH COLLAPSIBLE ENDS

PROVISION FOR C/F GENERATOR

DRILLING PREP FOR CUST INSTALLED BODY SUPPORTS FOR 93" WALK-IN VAN BODY WIDTH

Specifications

Bidder's Exceptions

CONVOLUTED CONDUIT PROTECTIVE COVERING

Fuel Tanks:

60 GALLON/227 LITER RECTANGULAR STEEL FUEL TANK - BETWEEN RAILS

PETROLEUM OR BIO DIESEL FUEL UP TO B20 BLEND, ASTM D6751 COMPLIANT

FUEL TANK(S) MOUNTED BETWEEN RAILS AFT OF REAR AXLE

LH SIDEFILL FUEL TANK CAP

ALLIANCE FUEL FILTER/WATER SEPARATOR WITH HEATED BOWL, PRIMER PUMP AND INDICATOR LIGHT

Tires:

MICHELIN XZE 255/70R22.5 16 PLY RADIAL FRONT TIRES

MICHELIN XD2 255/70R22.5 16 PLY RADIAL REAR TIRES

MICHELIN XZE 255/70R 22.5 16 PLY RADIAL SPARE TIRE

Hubs:

GUNITE IRON REAR AXLE HUBS

Wheels:

F/L BEVEL LOGO 40620 22.5X8.25 10-HP 5.72 INSET ALUM FRT WHLS

POLISHED FRONT WHEELS; OUTSIDE ONLY, WITH 'HALF MOON' BRIGHT WHEEL COVERS

F/L BEVEL LOGO 40620 22.5X8.25 10-HP 5.72 INSET ALUM REAR WHLS

POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY, WITH BRIGHT WHEEL COVERS

F/L BEVEL LOGO 40620 22.5 X 8.25 10 HP SPARE WHEEL

FREIGHTLINER VALVE STEMS

Cab Exterior:

OPERATOR STATION (CONTROL SUPPORT) - OUTBOARD MOUNTED

FREIGHTLINER NAMEPLATES

HOOD MOUNTED CHROMED PLASTIC GRILLE

DUAL ELECTRIC HORNS

IGNITION KEY ONLY

LED BODY MTD MARKER LAMPS

DAYTIME RUNNING LIGHTS

Cab Interior:

SANDEN COMPACT AIR CONDITIONER COMPRESSOR

Specifications

Bidder's Exceptions

RADIATOR MOUNTED AIR CONDITIONER CONDENSER
HVAC WIRING PROV LOC INSIDE CAB
5/8" X 10FT HEATER PLUMBING HOSE
AUTO SELF-RESET CIRCUIT BREAKERS AND FUSES
FASTEN SEAT BELT INDICATOR, ACTIVE LOW, FOR CUSTOMER
FURNISHED SEAT BELT
TRW TILT/3.00" TELESCOPIC STEERING COLUMN WITH FOOT ACTUATED
PEDAL
4-SPOKE 18 INCH (450MM) STEERING WHEEL

Instruments & Controls:

GREEN GAUGE BACKLIGHTING
ENGLISH UNITS MAJOR SCALE
DRIVER MESSAGE CENTER W/LCD DISPLAY, 24 WARNING LAMPS, DATA
LINKED, AMI ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH
SCALE, WITHOUT ODOMETER
ELECTRONIC 3500 RPM TACHOMETER
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
ELECTRIC ENGINE OIL PRESSURE GAUGE W/WARNING LAMP AND
ALARM
ELECTRIC ENGINE COOLANT TEMP GAUGE W/WARNING LAMP AND
ALARM
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
ELEC FUEL GAUGE & LOW FUEL IND LAMP
AUTOMATIC TRANSMISSION OIL TEMP GAUGE W/WARNING LAMP
ENGINE HOUR METER, INTEGRAL TO MESSAGE CENTER LCD
INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS
97 DB BACKUP ALARM
CRUISE CONTROL SWITCHES-UNMOUNTED
PROGRAMMABLE RPM CTRL W/LOW VOLTAGE AUTO HIGH IDLE & RPM
CTRL SWITCHES
WAGNER 7212 TURN SIGNAL FLASHER
Three (3)-year/50,000 mile Freightliner MT-55 chassis warranty.
Five (5)-year/250,000 miles Cummins engine and turbo warranty.
Five (5)-year/unlimited miles Allison EVS transmission warranty.

Specifications

Bidder's Exceptions

1 - Jump start kit with 1/0 gauge jumper cables and receptacle mounted in the bumper area on the front of the truck.

1 - DOT triangle reflector kit with three (3) triangles

1 - Horizontal exhaust on street side.

1 - Manual main battery disconnect switch.

II. BODY:

1 - All aluminum commercially available production model walk-in body (no exceptions). May not include any proprietary construction techniques or components. Built to the following specifications:

- 85" high x 96" wide x 24' long.
- Driver sedan door with slider window, door skin shall be chemically bonded to door frame structure. Door shall have continuous stainless steel piano hinge and two (2) nylon straps.
- Passenger sedan door with slider window, door skin shall be chemically bonded to door frame structure. Door shall have continuous stainless steel piano hinge and two (2) nylon straps.
- Sedan doors shall have a 0.125" aluminum tread plate step well for 18" skirt depth.
- Sedan doors shall have black non-skid tape on all door entry sills.
- Sedan doors shall have polished aluminum Tri-mark flush mounted locking hardware with self-aligning rotary latch and matching key locks.
- Aluminum alloy double H wall beam, 6005-T5 alloy, 3" x 3" wide at the base, 1.5" wide at the top, 0.125" wall thickness 24" on center. Studs feature machined wire pass-throughs, and raised adhesive control features on base. Include photo documentation of body with proposal to verify that vendor can meet this requirement, photos must show interior structure and exterior of the body. Simply stating comply without the photo documentation will result in disqualification.
- Beams shall be chemically bonded to sidewalls eliminating the need for rivets. Buck-rivets will be used to fasten the top and bottom rub rail. Use of two-sided tape is not acceptable.

Specifications

Bidder's Exceptions

- 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.
- 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 1.5" x 0.125" extruded aluminum roof bows on 16" centers. Bows are 2" skip welded every 12". Tread plate seams to be continuous welded - no exceptions. Bows feature machined wire pass-throughs, and raised adhesive control features on base - no exceptions. Perimeter of roof shall be chemically sealed. Include photo documentation of roof with proposal to verify that vendor can meet this requirement, photos must show interior structure and exterior rooftop. Simply stating comply without the photo documentation will result in disqualification.
- Lift-up molded fiberglass hood with stainless steel grill insert. Hood shall have integrated headlamps and turn signal indicators and dual assist gas charged lift shocks. The use of mechanical assist springs is not acceptable.
- 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.
- Bright polished single piece front bumper.
- Tinted safety plate glass windshield chemically bonded to body with driver and passenger sun visors.
- Full width 12" deep heavy-duty one piece aluminum rear bumper with center step, painted to match the body.
- Integral cab air conditioning and heating system with dash controls.
- Velvac heated remote control rear view mirrors with dash controls. Upper mirror has 62-sq.in. of flat surface and lower mirror has 30-sq.in. of convex surface. Mirror has a fold-away arm.
- Driver seat shall be Seats Inc. Magnum 200 mechanical suspension seat on fixed pedestal. Seat shall be covered in black

Specifications

Bidder's Exceptions

cloth and have arm rests, lumbar support, tilt back and 3-point seat belt.

- Passenger seat shall be a jump seat with 2-point seat belt.
- Intermittent windshield wiper/washer with single heavy-duty windshield wiper motor.
- Rear frame-mounted tow eyes extending past body.
- Aluminum engine box cover with acoustical and thermal insulation. Black molded ABS composite engine box over-lay.
- Acoustical and thermal insulation with heat shield on exterior fire-wall.
- Full length skirting. Skirt shall extend 18" down from the bottom of floor extrusions.
- Dash shall be vacuum formed ABS composite with integrated control pod located left of dash.
- 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 standards.

1 - 32" wide x 82" high 0.125" aluminum sedan door with 21.5" wide x 25.5" high fixed window and mini-blind. Door shall have continuous stainless steel piano hinge, two (2) nylon door straps, aluminum drip rail.

Note: Suicide swing (left hinge)

3 - Heavy-duty fluted aluminum grab handle with rubber inserts and chrome plated stanchions installed at each exterior entry door location.

1 - Custom fabricated interior stainless steel handrail for rear entry door.

3 - Automatic LED courtesy light at entry door.

1 - Courtesy lights to be controlled through vehicle automation system. Vehicle automation system will be configured to automatically illuminate lights when the door is opened and will automatically turn off if the door is in the open position for more than 20 minutes. Touch screen(s) shall have a courtesy light on/off icon on the LIGHTING screen. No exceptions to any of these requirements.

Specifications

Bidder's Exceptions

2 - Kwikkee Series 32 (or current model) 24" wide automatic electric steel entry steps with NFPA 1901 approved embossed aluminum tread plate step covers. Step to be controlled through vehicle automation system and shall be configured to stay in the extended position when the truck is deployed with the ignition in the off position. If the ignition is switched to the on position the step will extend and retract whenever the door is opened or closed. No exceptions to any of these requirements.

1 - Entire underside of the apparatus shall be undercoated. Includes chassis, floor extrusions, step wells and aluminum compartments.

1 - Rear rubber mud flaps with anti-sail brackets.

SLIDE-OUT ROOM EXTENSION:

1 - Flat floor slide out room extensions, 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.

Slide out features:

- The slide out room extensions will have the following minimum lengths: 1-101" long x 30" deep and 1-80" long x 30" deep.
- Slide-out to be fabricated with a structurally rigid welded aluminum tube design with a fully bonded aluminum shell.
- 0.125" 5052 aluminum wall skins on slide-out.
- 1" x 3" x 0.125" 6061 aluminum wall beam channels with 2" x 6" wire chase slot 6" from the top.
- 2" x 4" x 0.125" 6061 aluminum lower tubular structure with 1" x 2" x 0.125" cross supports.
- 1" x 4" x 0.125" 6061 aluminum upper tubular structure with 1" x 1" x 0.125" cross supports.
- All exposed tube ends to be capped before welding assembly together.
- Flexible wire chase to be fully enclosed in aluminum channel with access cover. Fabric covered or exposed cable chase will not be acceptable under any circumstance.
- 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.

Specifications

Bidder's Exceptions

- Slide out shall be fully automatic and shall not require the operator to manually move the floor panel or any other component of the slide out before or after deployment.
- No track or hardware shall be attached to the ceiling of the body.
- Multiplexed electric over hydraulic control system programmed to lower the slide out to floor height after full extension.
- Vehicle automation system touch screen(s) shall have a slide-out extend/retract icon on the MISC screen for each slide out room.
- There shall be an interlock through the vehicle automation system to prevent moving the vehicle with the slide out extended. Vehicle automation system to give audible and visual alert if the ignition is turned to on position when any slide out is extended.

Include photos of vehicles previously built with flat floor slide out rooms forward and aft of the rear axle with response. Photos must show slide out construction and fit and finish.

Ergonomic safety and efficiency is of utmost importance in the design and functionality of this vehicle, therefore, above floor or straight out slide outs will not be acceptable.

There will be no exceptions to any of the slide out requirements.

PAINT:

- 1 - Body paint color shall be Black.
- 1 - Custom non reflective vinyl graphic lettering per Beverly Hills PD requirements.
- 1 - White reflective stripe on sides and back of body per Beverly Hills requirements.

DRIVER/PASSENGER CAB AREA:

- 2 - Cover cab door with custom powder coated aluminum panels.
- 2 - Heavy-duty rubber grab handle on cab door.
- 2 - Custom made panel above cab door covered with cushioned vinyl.
- 1 - Vehicle height sign on dash.
- 1 - Insulated black rubber mat in driver and passenger toe plate area. Insulate walls in toe plate area and install carpeted panels.

Specifications

Bidder's Exceptions

- 1 - 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
- 1 - Payload sticker in cab area with vehicle axle load ratings and available axle payload as built.
- 1 - Work area on passenger side constructed of 5/8 plywood covered to match rear counter-tops and trimmed with vinyl T-molding.
- 1 - Multiplex Control systems shall be located in the overhead console. The entire console shall be constructed of 3/4" plywood. The face shall be finished with black laminate and the bottom shall be covered with vinyl.
- 1 - Red LED/Clear incandescent dome light with 3-position switch, red/off/white mounted under center of console.
- 1 - Pioneer DEH-P4800MP (or current model) MOSFET 50-watt x 4, CD/MP3/WMA/WAV Receiver with 3-band parametric EQ, and one (1) pair of Pioneer TS-A6971R (or current model) 6 x 9 three-way speakers mounted in cab.
- 2 - ABS recessed cup holders for driver and passenger.
- 1 - Zone Defense color three (3) camera system with 7" LCD flat panel monitor. System includes left, right, and rear vision day-night cameras.
- 1 - Golight wireless LED spotlight mount on roof over cab, model 20004 (or current model).
- 1 - Blackout curtains for all cab area windows. Curtain specs:
 - Black woven fabric made of pigmented and acrylic top coated 45% polyester / 55% cotton fabric
 - Tensile Strength: 283 lbs. x 214 lbs.
 - Manufacturer's 5-year limited warranty
 - Seams shall be double stitch/single fold with 1 sewn-in hook-and-loop or nickel plated fasteners
 - Meets California State Fire Marshall requirements for flame retardancy - Title 19, CPAI-84 (Section 6), and FMVSS-302

WALLS, CEILING AND FLOOR:

- 1 - Insulate walls with a minimum of 2-1/2" of fiberglass with an R-11 rating. Cover interior body side posts with 1/2" plywood sub wall, structural plywood sub wall, Exposure 1-APA, 5 ply, face veneer plugged and sanded. Meets California Air Resources Board (CARB) phase 2 requirements.

Specifications

Bidder's Exceptions

Include cross section photo of wall construction with bid response (photo must show outer skin, wall beam, insulation, inner sub wall and FRP wall covering - no exceptions.

1 - Cover sub wall with smooth finish Kemlite 0.075" fiberglass reinforced plastic (FRP) lining. Wall covering shall be a continuous piece front to back, no seams acceptable, no exceptions.

1 - Cover sub wall in dispatch area with fabric.

1 - Insulate ceiling with a minimum of 2-1/2" of fiberglass with an R-11 rating. Cover interior roof beams with 1/2" plywood sub wall, structural plywood sub wall, Exposure 1-APA, 5 ply, face veneer plugged and sanded. Meets California Air Resources Board (CARB) phase 2 requirements.

1 - Ceiling shall be 3-piece modular design to allow easy access for future wiring additions and/or maintenance. Modular ceiling panels to be covered in silver fabric. Include photos of modular ceiling construction with response. No exceptions.

1 - Floor underlayment to be 5/8" exterior grade tongue and groove structural plywood, Exposure 1-APA, 6 ply, face veneer plugged and sanded. Meets California Air Resources Board (CARB) phase 2 requirements.

1 - Lonseal Loncoin II Flecks 150 Onyx non-skid commercial grade PVC flooring. The flooring shall be continuous, one piece full length, full width, no seams – no exceptions.

1 - 2-1/2" vinyl cove molding as required (mop board).

1 - 30" pocket door covered with silver smooth FRP and cap all sides with anodized extruded aluminum. All screws shall be stainless steel. Pocket door shall be installed on heavy-duty aluminum tracks with two (2) four-wheel roller trucks. Pocket door shall have recessed handles and a key lock.

1 - All bulkheads shall be covered with Kemlite 0.075" silver smooth FRP. Cap all sides with anodized extruded aluminum. All screws shall be stainless steel.

1 - Cover load space door with black powder coated aluminum panel, install 10" high 0.100" bright aluminum tread plate kick plate at bottom of door and heavy-duty rubber grab handle.

2 - 12" X 22" Flush mount deep-tint fixed window installed on side wall of slide out room with day/night shades.

GALLEY:

1 - Minimum 0.9 Cu. Ft Microwave. (20010017)

Specifications

Bidder's Exceptions

- Black
- 1000 watts

1 - Keurig Coffee maker mounted on counter in galley area.

1 - Norcold model DE0751BB (or current model) 12/24 VDC /120VAC refrigerator with the following features:

- 2.7 cu. ft. capacity.
- Freezer shelf for ice cube tray.
- Two door bins; lower bin holds 2-liter containers.
- Integrated door latch.

1 - High-quality hand sanitizer dispenser conveniently mounted in galley area.

SEATING:

6 - Space Air Grid office chairs 5560 black (or current model) with armrests, five caster spider base, and adjustable height. Strap installed under counters to secure chair for travel.

1 - Fabricate and install fixed bench seating with removable cushions in conference area. Bench seat cushions shall be covered in heavy-duty vinyl.

1 - Fabricate and install flip-down bench seating in conference area. 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 and covered with heavy-duty vinyl.

1 - Bench seat construction specifications:

- 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.
- Double stapling of fabric/vinyl to backer with industrial grade upholstery staples.

CABINETS:

Specifications

Bidder's Exceptions

1 - Custom fabricated powder coated aluminum cabinets, include photos of upper cabinets and base cabinets with response - no exceptions.

Cabinet specifications:

- 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 on a full-length aluminum hinge, and are held open with a locking door stay.

No exceptions to cabinet construction.

1 - LED strip lights installed below overhead cabinets shall include a rocker switch for on/off operation.

1 - Full height cabinet minimum 26" wide with slide out printer tray and double door upper and lower storage.

1 - Upper galley cabinet with built-in microwave shelf and single door storage area.

1 - Base galley cabinet with built-in refrigerator and single door storage area under sink.

1 - All counters and table to be custom fabricated with 0.040" Wilsonart laminate bonded to subsurface. All exposed edges shall be covered with heavy duty flexible PVC T-molding.

1 - Conference table covered in 0.040" Wilsonart DRY ERASE laminate. All exposed edges shall be covered with heavy duty flexible PVC T-molding.

1 - Powder coated aluminum conference table base with built-in receptacles and network jacks.

5 - Custom fabricated anodized aluminum framed dry erase marker board with pin strips shall be installed to cover all open wall areas in conference room. Frames shall be hinged and held closed with tension clips.

HVAC SYSTEM:

1 - Fan-tastic Vent model 4000 R (or current model) 3-speed reversible 12 power roof ventilator.

1 - Fan-tastic roof vent rain cover.

Specifications

Bidder's Exceptions

2 - Ducted Coleman Polar Mach 8 series low profile air conditioners with power and thermostat controlled by the vehicle automation system. Vehicle automation system HVAC screen shall have a digital temperature display and an icon to increase or decrease the temperature setting for each air conditioner, there shall also be icons to choose fan high/low. Touch screen(s) will also have icons to select Auto, Cool or Heat modes - no exceptions. Additionally there shall be system touch pad(s) with digital displays in rooms that do not have a touch screen to provide local control of the temperature setting - no exceptions.

Includes:

- 9223-C876 13,500 nominal BTU air conditioner with condensate pump.
- 8330C635 Chill Grille Assembly with 5,600 BTU heat strip
- 22080079 High Capacity Air Duct manufactured from polystyrene foam laminated with 99% pure polished aluminum inside and out, internally mounted in ceiling
- 22120010 Louvered Ceiling Vents, as required

2 - Broan model 174 wall mount 5,120 Btu/hr electric heaters. Each heater shall be zoned and temp set from any of the touch screens which shall read current room temp and set temp. Front room, rear room, and cab.

CUSTOM PROGRAMMED VEHICLE AUTOMATION SYSTEM:

Note: All of the vehicle automation system components must be commercially available for purchase. If a vendor proposes a proprietary vehicle automation system their response will be deemed non-responsive. No exceptions.

1 - Furnish and install a multiplexed vehicle automation system incorporated into a common touch screen(s) that is custom programmed to monitor and control onboard systems as described throughout these 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 has error detection protocols and troubleshooting features.

Automation system includes:

- Two (2), 10" LCD touch screen with custom graphics for control and monitoring

Specifications

Bidder's Exceptions

- One (1) touch pad with custom graphics for local control of awning and scene lighting
- AC power distribution control and monitoring for the generator with power management
- DC power distribution control and monitoring with I/O channels and 3 battery banks
- Manual or automatic generator control
- HVAC and temperature control in each section of the truck
- Lighting control in each section of the truck and exterior
- Automatic power transfer switches
- Automated startup and shutdown mode that will enable the command center to be fully operational/fully deployed in no more than ten minutes time by a single operator. This includes but is not limited to: generator startup, interior and exterior lighting powered on, HVAC systems powered on, galley equipment powered on, audio/video systems powered on, slide outs deployed, leveling system deployed, radio systems powered on, computer network equipment powered on, battery charging system powered on, satellite TV dish launched, satellite broadband dish launched, mast raised, and awning extended.
- Storage mode configuration to ensure auxiliary and chassis battery systems are maintained at full charge capacity. Storage mode must also control heating and air conditioning systems at a preset level to maintain interior vehicle temperature.
- Battery Tend mode that automatically starts the generator and charges all battery banks when voltage drops below a user definable voltage setting. The generator will run for approximately two hours to fully charge the battery banks and then shut down.
- Travel mode to maintain interior vehicle temperature and power to critical equipment, such as computers and radios, as the vehicle is traveling to and from the incident scene.
- Safety interlocks and warnings. The automation system touch screen(s) will automatically display a warning message and give an audible alert when the ignition switch is turned to the on position with an item deployed. In order to easily identify the item causing the alert condition, the screen(s) must display a list of all items that are deployed, i.e. mast, slide out, leveling jacks, awning, etc.
- Built in back up features to ensure system is always functional

Specifications

Bidder's Exceptions

Vehicle automation touch screen(s) to have a minimum of four tabs, POWER (home), LIGHTING, HVAC and MISC. The POWER screen will display the main power control icon, AC power source (i.e. generator, shore power or auto-eject) and all AC/DC information as described elsewhere in these specifications. The LIGHTING screen will display all lighting control icons as described elsewhere in these specifications. The HVAC screen will display HVAC control icons and settings as described elsewhere in these specifications. The MISC screen will display miscellaneous information as described elsewhere in these specifications and will also have the Auto Startup, Auto Shutdown, and Storage Mode icons. Include photos of touch screen control panel with response.

Vehicle automation touch screen(s) to have a Utility page that when accessed will show the status of system modules, gen hour meter adjustment, AC system override, and other system control features.

Vehicle automation touch screen(s) will automatically time out to a digital clock after 10 minutes of nonuse. Digital clock is to have 12 and 24 hour modes that are user definable.

Vehicle automation system must be completely upgradeable. Additional components may be added into system with a simple software modification.

Vehicle automation system must include electronic over-current protection (no fuses permitted) with fault indication and automatic restoration.

Vehicle automation system capabilities are not to be achieved with use of multiple monitoring systems designed for specific use i.e. water monitors, battery monitors etc.

Beverly Hills PD reserves the option to request an on-site demonstration and evaluation of vendor's vehicle automation system before acceptance of contract. If requested, a demonstrator vehicle shall be made available at no additional cost. Time and amount of hours required for such evaluation shall be determined by Beverly Hills PD.

None of the above components and systems may be proprietary.

No exceptions to any of the vehicle automation system requirements.

120/240VAC ELECTRICAL SYSTEM:

1 - 25-kW 120/240Vac Low Boy liquid-cooled diesel generator installed in a custom fabricated compartment. Generator features:

- Kubota T4i water cooled diesel engine (no exceptions)
- Radiator cooled, remote mounted for lower compartment height

Specifications

Bidder's Exceptions

- 4 pole rotating field alternator with 300% short circuit capability

Generator compartment shall be constructed to the following specifications:

- 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.
- 0.125" perforated aluminum panels on interior door surfaces.
- Gas charged lift/support cylinders to hold doors open at 90° .
- Industrial grade neoprene gasket door seals.
- Sound barrier lining on the interior of the compartment and exterior of the compartment where it protrudes through the vehicle floor. Sound barrier material consists of metalized mylar facing, 1 sound absorbing foam, 1.0#/sf barrier, ¼" foam decoupler and a 3 mil. acrylic pressure sensitive adhesive with a 76# kraft paper liner.

1 - Generator power to be controlled through the automation system touch screen(s). The POWER (home) screen shall display generator hours, generator line voltage on each leg, generator amp load on each leg, and generator frequency. The touch screen must also have a user selectable Battery Tend mode that will automatically start the generator when the DC batteries fall below a user definable voltage that is displayed on the screen – no exceptions.

1 - Generator exhaust routed to roof.

1 - Whole House Surge Suppressors protection for entire AC power system.

- UL US listed: UL1449 3rd Edition
- NEMA 4 plastic enclosure: 5.14"(H) x 4.00"(W) x 2.45"(D)
- LED Visual verification of status

1 - Kussmaul Auto Eject 20, 20A-120Vac shore power inlet with 25-ft. 20A-120Vac shore power cord controlled through the vehicle automation system - no exceptions.

Specifications

Bidder's Exceptions

1 - Marincio 100A-125/250Vac waterproof shore power inlet controlled through the vehicle automation system - no exceptions. Includes 25-ft. 100A-125/250Vac shore power cord and 6-ft. 100A-125/250Vac pigtail.

2 - Exterior 30A-250Vac locking receptacle with GFCI protection and weatherproof cover. Locations to be determined.

16 - Specification grade 20A-125Vac duplex receptacle with two (2) USB charging inputs, USB output to be 3A, 5VDC. Receptacle is not dedicated to any installed equipment. Controlled through the vehicle automation system - no exceptions.

Locations:

- Two (2) in Cab Area
- Two (2) each at Work Stations 1-3
- Two (2) in Conference table leg
- Two (2) in Conference Area wall (location TBD)
- Two (2) in exterior TV compartment
- Two (2) in galley area (wired to be protected by GFCI circuit)

1 - Specification grade 20A-125Vac GFCI duplex receptacle. Controlled through the vehicle automation system - no exceptions.

Locations:

- One (1) in Galley Area

4 - Four (4) specification grade 20A-125Vac exterior GFCI duplex receptacle with weatherproof PVC cover. Controlled through the vehicle automation system - no exceptions.

1 - Wire chase wire management raceway system. Product features:

- 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 multi outlet 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.

2 - Whelen telescoping tripod light mount. Includes:

Specifications

Bidder's Exceptions

- 3200 series tripod #16040207, aluminum pole collar clamp assembly.
- Light fixture PFP1AP Pioneer Plus™ LED Floodlight, 150 watt, 120 VAC #16040230.
- Body mount cradle #16040208
- Externally mounted power switch with weatherproof PVC cover.
- Twist lock plug.

2 - 50' 12/3 yellow extension cord with twist-lock plugs to extend the tripod light away from the truck.

120/240VAC WIRING REQUIREMENTS:

1 - All 120/240Vac main wiring shall be stranded THHN wire and run in non-metallic Carlon Carflex liquid tight conduit.

1 - All electrical circuits and appliances shall conform to applicable national electrical codes.

12VDC ELECTRICAL SYSTEM:

4 - Lead acid deep-cycle 6Vdc batteries. Batteries shall be installed underbody in slide out weather resistant compartment. Two (2) batteries will be separated for auxiliary equipment and two (2) batteries will be for communications equipment.

2 - Electronic converter/chargers, 80 amp minimum output each.
Converter/charger features:

- 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.

1 - All DC electrical shall be controlled and monitored through the vehicle automation system. The POWER (home) screen shall display the chassis battery voltage and amperage load, auxiliary battery bank voltage and amperage load, and the communications battery bank voltage and amperage load.

No exceptions to any of the converter/charger installation and specifications.

Specifications

Bidder's Exceptions

18 - 6" round neutral white LED light fixtures with polished bezel located on ceiling throughout vehicle.

Lights to be divided into two (2) zones and switched through automation controls at any of the following locations: cab area, work station area, and conference area. Vehicle automation system LIGHTING screen to have light on/off icon with indicators for each room. There shall also be an option to reduce the light level on the touch screen. No exceptions.

8 - 6" round neutral white/red LED light fixtures with polished bezel located on ceiling throughout vehicle.

Lights to be divided into two (2) zones and switched through automation controls at any of the following locations: cab area, work station area, and conference area. Vehicle automation system LIGHTING screen to have light on/off icon with indicators for each room. No exceptions.

8 - Code 3 7X9 LED Scene Light with Bezel.

Lights to be divided into three (3) zones and switched through automation controls in cab area, work space area and externally mounted touchpad. Vehicle automation system LIGHTING screen to have light on/off icon with indicator for each zone. No exceptions.

12 - Code 3 CW2441 6 LED Work Light (5 per side and two rear).

Lights to be divided into three (3) zones and switched through automation controls in cab area, work space area and externally mounted touchpad. Vehicle automation system LIGHTING screen to have light on/off icon with indicator for each zone. No exceptions.

4 - Code 3 HB4PAK-A Amber LED lighthouse. One mounted in each end of the slide out.

Lights to be switched through automation controls in cab area, work space area and externally mounted touchpad. Vehicle automation system LIGHTING screen to have light on/off icon with indicator for each slide out. No exceptions.

1 - Code 3 3450 Banshee Dual Tone Amplifier.

1 - Code 3 RLS 3997R Siren.

2 - Code 3 C3100U 100 Watt Speakers.

12VDC EMERGENCY LIGHTING:

1 - Code 3 CL199G green LED command beacon. Mounted on antenna raceway.

UPPER ZONE "A" 1 EA. TRI86-ALRC-100 TRIUMPH LIGHTBAR

LOWER ZONE "A" 1 EA. 4612RBZ-75

Specifications

Bidder's Exceptions

	1 EA. 4612BBZ-75
UPPER ZONE "B"	2 EA. 7912CRBBZ-75
LOWER ZONE "B"	2 EA. 4612BBZ-75 (1 FRONT AND 1 REAR)
	1 EA. 4612RBZ-75 (CENTERED, MID BODY)
UPPER ZONE "C"	1 EA. 7912ABZ-75
	1 EA. 7912BBZ-75
LOWER ZONE "C"	2 EA. 65PKG4 (INCLUDES THE FOLLOWING)
	2 EA. 65STR
	2 EA. 65TA (WITH ARROW HEAD)
	2 EA. 65RV
	1 EA. 65A (DRIVER SIDE)
	1 EA. 65B (PASSENGER SIDE)
UPPER ZONE "D"	2 EA. 7912CRBBZ-75
LOWER ZONE "D"	2 EA. 4612RBZ-75 (1 FRONT AND 1 REAR)
	1 EA. 4612BBZ-75 (CENTERED, MID BODY)

12VDC WIRING REQUIREMENTS:

- 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 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 wiring (plug type fuses are unacceptable).
- Circuit breaker functions shall be identified by engraved or printed labels.
- All added wiring for load runs shall be AWG 8, 10, 12, 14 and 18 and must conform to MIL-W-16878F.
- 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.

Specifications

Bidder's Exceptions

- Wiring shall be protected from chafing and abrasion with convoluted polyethylene tubing (wire loom) as required.
- Where wire passes through sheet metal, bulkheads and structural supports, plastic grommets shall be used to protect both wiring and wire looms.
- All wire bundles shall be tied with trimmed nylon ties.
- Extreme care shall be exercised to provide for easy serviceability of the system in future years.
- Extreme care must be taken in the installation to avoid the engine manifold, engine exhaust, and muffler, which could expose the wiring to severe overheating during long periods of operation. Proper insulation and heat deflection panels must be installed in such areas.
- A high-current 12Vdc system wiring schematic shall be provided.
- These are the minimum acceptable 12Vdc wiring requirements.

AUDIO/VIDEO:

2 - Samsung 40" Class Black UHD 4K LED Smart HDTV - UN40JU6500FXZA (or current model) with wall mount bracket.

4 - Samsung 32" Black LED 1080P HDTV - UN32J5003AFXZA (or current model) with wall mount bracket.

1 - SunBriteTV 46" Black Signature Series Outdoor LED TV - SB-4670HD-BL

1 - Weatherproof exterior work station access door for LCD monitor, telephone, customer sent communication radio, one (1) CAT 6 jack, one (1) HDMI A/V input [modulated] and one (1) 120v outlet, one (1) dual USB charging outlets, one (1) radio head, (1) telephone handset. Door to be constructed from 0.125 aluminum with all welded seams and hinged at the bottom to act as a work station when down. Includes support cables and locking latch.

1 - Blu-ray disc player, Sony BDP-S5100

1 - Milestone Husky M50 Advanced Server (or current model).

- The unit will work with both analog and digital cameras. The Axis cameras listed in the spec are compatible.
- The unit allows for local recording in addition to integrating and syncing with Beverly Hills internal Milestone system when it is connected to the CBH network (Interconnect license is included when purchasing the unit)

Specifications

Bidder's Exceptions

- Specify hard disk with a RAID controller and appropriate configuration.
- 8 TB storage configurable for up to 48 TB storage.
- H.264 Video Compression

1 - Winegard Trav'ler SK-SWM3 Slimline Satellite TV System for DirecTV HD.

- Fully automatic satellite acquisition.

3 - DirecTV D12 (or current make/model) DSS receiver. UL and FCC approved.

5 - Custom rack mount kits (custom fitted for, BluRay players, DVD recorders, and DSS receivers).

1 - Multi camera surveillance system 72070015 (or current model). System includes:

- 1 - Quad View Multiplexer with looping outputs
- 1 - Day/Night Color camera, rear view
- 1 - Day/Night Color camera, front view
- 1 - Day/Night Color camera, left side view
- 1 - Day/Night Color camera, right side view

1 - King Control JACK® Digital HDTV Antenna with SureLock™ DTV Signal Meter.

- Static roof mount
- No Crank Handle
- Full 360° Rotation
- Built-in Amplifier

1 - Digital modulated audio/video system to enable any audio/video source (i.e. camera, DVD player, DSS receiver) and up to four local off-air channels to be viewed on designated TV channels. Includes:

- 1 - Encoder host
- 3 - Encoders (satellite TV receivers)
- 1 - Encoder (mast camera 1)
- 1 - Encoder (mast camera 2)
- 2 - Encoder (computers)
- 1 - Encoder (DVR Recorder)

Specifications

Bidder's Exceptions

- 1 - Encoder (HDMI input at conference room table)
- 1 - Encoder (HDMI input at Exterior TV Compartment)
- 1 - Encoder (Perimeter camera system quad view)
- 4 - Decoder (Translates HD video through modulated system)

1 - HE Series 12 position Passive Combiners

1 - HE Series 24 position Passive Combiner #19180132 (or current model).

1 - All RF cable for DSS antenna systems (when specified) shall be Belden #9116 series 6 broadband coaxial cable. All other video cabling shall be Belden #1505A RG-59/U precision video cable.

MAST AND MAST MOUNTED EQUIPMENT:

1 - Heavy-duty non-locking telescoping pneumatic mast.

Mast features:

- 187 lb. max top load capacity
- 39' 4" extended height
- 6' 9" nested height

Includes:

- 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 through the vehicle automation system to prevent moving the vehicle with mast raised. Vehicle automation system to give audible and visual alert if ignition is turn to on position - no exceptions.
- 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.

No exceptions to any of the mast requirements.

1 - Gast 3/4-hp compressor with remote mount 5 gallon air tank.

1 - Custom fabricated 0.125" aluminum antenna bracket mounted on mast.

Includes:

Specifications

Bidder's Exceptions

- Two (2) LMR240
- Two (2) Cat6 cables for 6044E Axis cameras
- Antenna Base, Rain Cap Bright Chrome

2 - AXIS Q6045-e MK II camera system installed on mast. Outdoor-ready PTZ dome providing HDTV 1080p, 30x optical zoom, and fast and precise pan/tilt performance for wide area coverage and great detail when zooming in.

1 - Custom fabricated 0.125" aluminum Nycoil cylinder painted to match body color.

1 - Custom fabricated 0.125" aluminum mast cover painted to match body color.

1 - Mast lookup light mounted on camera bracket.

1 - Weatherproof mast up/down control key on exterior of vehicle. In addition to the exterior key the vehicle automation system touch screen(s) shall have an icon on the MISC screen to allow the mast to be lowered from inside the vehicle. No exceptions.

LMR (Land Mobile Radio) EQUIPMENT:

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 through the vehicle automation system – no exceptions.

12 - Prewire and make installation provisions for Beverly Hills PD provided Motorola APX7500 mobile radio with remote mount transceiver.

Installation includes:

- 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.

Radio Locations:

- Dispatch workstations 1-3: One (1) APX7500 VHF/UHF & one (1) APX7500 UHF/7-800 MHz each (6 total).
- Conference Area: One (1) APX7500 VHF/UHF & one (1) APX7500 UHF/7-800 MHz (2 total)

Specifications

Bidder's Exceptions

- Driver/Passenger cab area: One (1) APX7500 VHF/UHF & one (1) APX7500 UHF/7-800 MHz (2 total)
- Exterior workstation/TV compartment: One (1) APX7500 VHF/UHF & one (1) APX7500 UHF/7-800 MHz (2 total)

Note: All (6) APX7500 radios installed at the three Dispatch locations shall also be connected to the Raytheon ACU5000 Gateway.

3 - Motorola MCC 7100 IP dispatch console:

- Each MCC7100 console to include laptop or tablet computer (TBD by BHPD i.e. Microsoft Surface) which must operate Windows 7 or 8, and Motorola MCC-series AIM accessories: Audio Interface Module (AIM), Footswitch, Desktop Gooseneck Mic, NC Single Muff Headset & Headset Jackbox, Headset Module Base with 25' cable, Professional-grade Bluetooth Headset, and any additional required MCC7100 console hardware.

4 - Install Motorola Impress 6-Unit Charger provided by Beverly Hills PD, locations TBD.

1 - Install hinged panels under countertops to conceal radio transceivers where applicable. Panels to match wall color material.

1 - Fabricate and install 3" x 3" square aluminum tubing antenna raceway on the roof of the vehicle, raceway to be fully welded and weather tight, raceway to be welded to the roof. Access port from raceway into vehicle will be fully welded and will be located in rack area. Includes:

- 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.

No exceptions to any of the antenna raceway requirements. Include photos detailing raceway fabrication and installation with response – no exceptions.

TELEPHONE SYSTEM:

7 - Telephone extension jacks. RJ11 or RJ45 CAT6

Locations:

- One (1) in Cab passenger Area
- One (1) each at Work Stations 1-3

Specifications

Bidder's Exceptions

- Two (2) in Conference Table
- One (1) in exterior TV compartment

7 – Avaya 9611G VOIP deskphone.

1 - All telephone lines and cellular antenna cable shall be installed in Carlon Flex-Plus ENT conduit or raceway (as applicable).

COMPUTER NETWORK AND EQUIPMENT:

10 - RJ-45 CAT6 computer network jacks with CAT6 cable routed through Carlon Flex-Plus ENT conduit or raceway (as applicable). Locations to be finalized during pre-construction meeting.

Locations:

- One (1) in Cab passenger Area
- One (1) each at Work Stations 1-3
- Four (4) in Conference Table
- One (1) Galley
- One (1) input box
- One (1) at the printer
- One (1) at Exterior TV Compartment

1 - Leviton 69270-U48 (or current model) 48-port Cat6 rack mount patch panel.

1 - Extreme Network Summit X460-48p (or current model) 48 10/100/1000BASE-T PoE, 4 100/1000BASE-X unpopulated SFP, slot for optional XGM3 module(s), slot for optional stacking module, AC PoE PSU with one unpopulated PSU slot, Fan module, ExtremeXOS Edge license.

1 - Extreme Network XGM3S-2sf/module (or current model) 2 x 10GbE SFP+ port interface module - rear pluggable in Slot A for X460 and E4G-400, supporting SummitStack-V (and SyncE when used with E4G-400).

2 - Extreme Network 750W PoE AC PSU PoE (or current model) AC Power Supply module for Summit X460 series switches.

Note: All provisioning of Extreme Network components to be completed by Beverly Hills IT administrators.

2 - Aruba 802.11ac wireless indoor access points. Vendor shall provide a minimum fiscal provision of \$1,500.00 for the purchase and installation of (2) access points inside the vehicle, exact locations to be determined by Beverly Hills IT department at a later date.

10 - Certified 18 CAT6 patch cord.

Specifications

Bidder's Exceptions

1 - Certified 36 CAT6 patch cord.

1 - Cable Certification Report confirming that network wiring complies with CAT6 specifications. Certification report to be generated using Agilent Technologies WireScope 350 (or equivalent). Report must include the cable length for each CAT6 cable in the vehicle and must indicate that each cable passes the following test:

- Attenuation (dB)
- PowerSum NEXT (dB)
- Return Loss (dB)
- PowerSum ELFEXT (dB)

Include a sample cable certification report with response - no exceptions.

2 - Input/output panel as specified by Beverly Hills. See input/output diagram at end of specifications for complete details of connections required. Panel to be installed in a custom weather tight box with lockable hinged door. Door to be held open with gas struts.

1 - HP Officejet Pro 8620 Premier All-in-One Printer (or current model).

12 - ViewSonic VG2039M-LED - LED monitor - 20". Four (4) installed at each of the dispatch workstations

3 - Lenovo ThinkCentre M93p 10AB Corei5 4590T 2 GHz 4GB 180GB with Lenovo DDR3L 4GB SO-DIMM 204-pin. One (1) installed at each dispatch workstation.

3 - Dell Precision Tower 3420 XCTO with the following features. One (1) installed at each dispatch workstations.

- Processor: 6th Gen Intel® Core™ i76700 (Quad Core 3.40GHz, 4.0Ghz Turbo, 8MB, w/ HD Graphics 530)
- Operating System: Windows 7 Professional English, French, Spanish 64bit (Includes Windows 10 Pro License)
- Video Card: AMD FirePro™ W4100 2GB Half Height (4 mDP) (4 mDPDP adapters)
- Chassis Options: Dell Precision Tower 3420 Up to 92% efficient 240W Chassis
- Memory: 16GB (2x8GB) 2133MHz DDR4 NonECC
- Hard Drive Configuration: C2 SATA / SSD 2.5, 2 HD
- Boot Hard Drive: 512GB, 2.5" SATA (High Performance) Solid State Drive
- Optical Drive: 8X Slimline DVD +/-RW drive

Specifications

Bidder's Exceptions

- Wireless: Intel® Dual Band Wireless 8260 (802.11ac) + Bluetooth
- Keyboard: US English Dell Smart Keyboard KB813
- Mouse: Dell USB Laser 6Button Mouse
- Driver: Intel® 8260 Software
- Operating System Recovery Options: Windows 10 OS Recovery 64bit – USB
- Resource DVD: Dell Precision T3420 Resource DVD
- Hardware Support Services: 3 Year ProSupport Plus with Next Business Day Onsite Service

4 - Network Capable Mobile Computers / Tablets. Vendor shall provide a minimum fiscal provision of \$8,000.00 for the purchase and installation of four (4) network capable mobile computers / tablets, exact specifications to be determined by Beverly Hills at a later date.

1 - Dell Latitude 14 Rugged Notebook Computer (specs provided by Beverly Hills) for MDT (Mobile Data Terminal) functions, mounted on Dell Rugged Desk Dock (specs provided by Beverly Hills), located for easy access between driver and passenger.

1 - Cobham SATCOM Explorer 8100 or equivalent 1.0 meter Ku band drive-away Mobile Satellite System, including all relative hardware, iDirect Evolution X5 Modem and iDirect Modem Shelf and Console Cable Kit. Include 1-Year of iDirect satellite service to be bundled with existing Beverly Hills service. Satellite antenna to include the following features as standard: Dynamic Pointing Correction with 3-axis stabilization to compensate for shifts in vehicle pitch and yaw caused by movement in and out of the MCC during stationary operation, built-in Wifi and web-based graphical user interface, harmonic drive gears, inclined orbit satellite tracking, 8W or larger BUC powered via IFL, and a full Ku band LNB.

1 - Sierra Wireless OMG Modem to provide 3G/4G Wireless connectivity for on-board computers.

- OMG 2032 3G/4G system, including all hardware, cabling, antennas, etc.
- Refer to BHPD/IT specifications (Sierra Wireless OMG Modem Parts List – December 2015).

MISCELLANEOUS ELECTRONICS:

Specifications

Bidder's Exceptions

1 - Columbia Weather Systems Orion 510™ 9510-D-1 (or current model) Weather Station with WeatherMaster Software and Weather Display Console. System includes the following:

- Orion 510 Transmitter housed in a Self-Aspirating Radiation Shield
- Temperature Sensor
- Relative Humidity Sensor
- Digital Barometer
- Ultrasonic wind Direction and Speed Sensor with alignment adapter
- Impact Rain Sensor
- Programmable Touch Screen LCD Display (rack mounted)
- DB-9 serial computer connection (location to be determined)
- WeatherMaster 2000 software (includes Cameo/Aloha interface and electronic wind direction North-orientation offset program)
- Havis Shields KR-SB-500-W4 (or current model) 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.
- Interlock through the vehicle automation system to prevent moving the vehicle with mast raised. Vehicle automation system to give audible and visual alert if ignition is turn to on position - no exceptions.

2 - Custom fabricated mounting system to secure twenty-five space 19" wide x 26.5" depth (24" useable depth) open framed EIA electronics equipment rack with sliding rail system and swivel base. Rack to easily slide out and swivel from its fixed position allowing full access to rack mounted equipment.

Include photos of rack installation and accessibility with response. No exceptions to any of the equipment rack requirements.

2 - 15 amp power strip with eight (8) outlets installed in twenty-five space rack.

2 - 1U space fan tray, with three (3) 69 cfm ventilation fans.

RADIO INTEROPERABILITY SYSTEM:

1 - Raytheon JPS ACU-5000 IP Based Interoperability Gateway.

Specifications

Bidder's Exceptions

9 - Cable to interface radio to radio interoperability system. Six (6) will be for fixed mobile radio connection and three (3) for portable radio connections.

1 - One (1) days of training for up to ten (10) people on JPS ACU-5000 radio interoperability system provided by Raytheon representative at customer's location.

EXTERIOR STORAGE COMPARTMENTS:

1 - Single door underbody storage compartment with interior dimensions of 15" high x 48" wide x 25" deep constructed from 0.125" aluminum with all welded seams and flip down door.

1 - Single door storage compartment constructed from 0.125" aluminum with all welded seams and flip down door to store Beverly Hills provided Hannay AVC 20-16-16 cord reel.

Compartments will be constructed to the following specifications:

- Sweep out type bottoms with ½" 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 a LED light that illuminates when the door is opened.
- Dri-Dek mat on compartment bottom.

Compartment doors will be constructed to the following specifications:

- 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.

AWNING:

2 - Dometic Weather Pro Awning 12' #4630 cadet grey acrylic fabric electric awning with the following features:

- Solid-state sensor automatically closes awning after detecting sustained winds
- Exclusive Knee-Action Design prevents damage from sudden wind gusts

Specifications

Bidder's Exceptions

- Heavy duty motor is fully contained in the roller tube, self-locks awning in travel position
- Unique spring-arm mechanism automatically dumps accumulating rain water
- The MISC screen of the vehicle automation system will have an awning tab that will display awning control icons.
- Awning to be controlled through the vehicle automation system and automatically closes during auto shutdown mode.

No exceptions to any of the awning automation requirements.

ROOF ACCESS:

1 - Zico Quic-Ladder swing out and down vehicle ladder, RL-2-7 (or current model).

- Cast aluminum rungs with flat, non-skid surface
- Steps are 3" deep x 15-1/2" wide
- Handrails are 1-1/4" heavy-walled aluminum tubing

LEVELING SYSTEM:

1 - Automatic leveling system, Quadra MFG. Inc. Big Foot™ model QE-2 four point fully automatic one-touch leveling system. Includes:

- 24" jack with 18" stroke (4 total) 17,000-lb. capacity
- Air ride dump valve
- Fully automatic control panel with manual feature
- Interlock through the vehicle automation system to prevent moving the vehicle with jacks deployed. Vehicle automation system to give audible and visual alert if ignition is turn to on position - no exceptions.

1 - High density polypropylene, injection molded yellow colored Super Dolly Pads for use with leveling system jacks. Pads measure 15" x 17" x 1" thick with a grab strap on one side.

MISCELLANEOUS ITEMS:

- 1 - Removable 36" x 24" magnetic dry erase marker board.
- 2 - 5 pound dry chemical fire extinguishers.
- 2 - First Alert 9-volt combination Carbon Monoxide and Smoke alarms.

MANUALS:

1 - Complete manual set on paper and CD, including the following:

Specifications

Bidder's Exceptions

- 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 systems, isolators, power converters, and alternator.
- Roof top antenna placement drawing and legend identifying antenna placements and termination points.
- Audio/Video cabling diagram.
- Warranty and Return Authorization procedures.
- Battery maintenance information.
- All individual component manuals and warranty registration cards as provided by component manufacturers.

MISCELLANEOUS:

1 - At time of delivery to Beverly Hills PD facility a factory trained employee of the manufacturer will provide up to eight (8) hours of orientation on manufacturer provided systems.

Includes:

- Vehicle automation system operation
- 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
- Awning operation

SERVICE AND PARTS:

The bidder shall state below, the representatives responsible for assisting the distribution center, which shall furnish a complete supply of parts and components for the repair and maintenance of the cab/chassis units to be supplied. The bidder shall also state below, or by separate attachment, its policy on transportation charges for parts other than those covered by warranty.

Location of nearest Technical Service Representative:

Specifications

Bidder's Exceptions

- Address: _____
- Telephone: _____

Location of nearest Distribution Center:

- Name: _____
- Address: _____
- Telephone: _____

Policy for delivery of parts and components to be purchased for service and maintenance:

- Regular method of shipment: _____
- Cost to City: _____

SECTION IV - BID FORM
(Must be completed by Vendor)

I. REFERENCES

	Name of Agency	Point of Contact	Contact Number
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

II. WARRANTIES

Labor:	Months
Parts:	Months
Other manufacturer warranties:	Months

SECTION IV - BID FORM (cont'd)
(Must be completed by Vendor)

III. TERMS

Payment Terms: _____

Exceptions or Deviations attached (Check appropriate box) YES NO

Delivery: _____ (Number of Days)

Company Name: _____

Address: _____

Telephone: _____ Fax: _____

Contact Email: _____

Person Submitting Bid: _____
(Print Name)

Title: _____

Signature: _____

VEHICLE REGISTRATION

Vehicle will be registered by Manufacturer to:

**City of Beverly Hills
455 North Rexford Drive
Beverly Hills, CA 90210**

Manufacturer shall ensure that purchaser receives license plates and registration by mail.

INSPECTION TRIP(S)

The bidder will provide two (2) factory inspection trip(s) for eight (8) customer representative(s). The inspection trip(s) will be scheduled at times mutually agreed upon between the manufacturer's representative and the customer. All costs such as travel, lodging and meals will be the responsibility of the bidder.

MAXIMUM OVERALL HEIGHT

The maximum overall height of the apparatus shall not be higher than 13' 6" (162").

MAXIMUM OVERALL LENGTH

The maximum overall length of the apparatus will be 34' (408"), or as short as possible and still accommodate the desired equipment and power train configurations.

F.O.B.

All prices of the bid shall be F.O.B. destination Beverly Hills, California; and delivery to any point within Beverly Hills shall be without additional charge.

TAX

All bid proposals shall be exclusive of tax; City staff will compute all tax involved when applicable.

ACCEPTANCE OF PROPOSAL

The City reserves the right to accept or reject any and all bids and reserves the right to waive technicalities where such action best serves the interests of the City. The manufacturer of the proposed materials or equipment may be required to acknowledge by written confirmation that the minimum requirements of the specifications are included in the Bidder's proposal before the award of the bid.

EXCEPTIONS

Any bidder's exceptions to these terms or conditions or deviations from the written specifications shall be shown in writing and attached to bid form. However, such exceptions or deviations may result in bid rejection.

INSURANCE (applicable to successful bidder who may come into the City)

(1) **Commercial general liability** coverage at least as broad as Insurance Services Office Commercial General Liability occurrence coverage ("occurrence" form CG0001, Ed. 11/85) with a limit of not less than \$2,000,000 (Two Million Dollars) per occurrence. If the insurance includes a general aggregate limit, that limit shall apply separately to this contract or it shall be at least twice the required per occurrence limit.

(2) **Business automobile liability** insurance at least as broad as Insurance Services office form CA 0001 (Ed. 1/87) covering Automobile Liability, code 1 "any auto" and endorsement CA 0029 (Ed. 12/88) with a limit not less than \$1,000,000 (One Million Dollars) per accident.

(3) **Workers Compensation** Insurance as required by the State of California and **employers liability** insurance with a limit not less than \$1,000,000 (One Million Dollars) per accident.

All insurance coverages shall be provided by insurers with a rating of B+; VII or better in the most recent edition of Best's Key Rating Guide, Property-Casualty Edition.

Work on City property covered by a purchase order cannot be commenced until certificates of insurance have been approved.

Please use the official City of Beverly Hills certificate of insurance form (attached). If you use another form, the following requirements must be met to make the certificates acceptable to the City:

1	name the City of Beverly Hills as additional insured for both GENERAL liability and AUTO liability; and
2	have at least thirty (30) days written notice of cancellation.

All certificates of insurance must remain current until the purchase order expires or is sooner cancelled.

PLEASE SUBMIT BID PROPOSAL TO:

***CITY OF BEVERLY HILLS
OFFICE OF THE CITY CLERK, ROOM 290
455 NORTH REXFORD DRIVE
BEVERLY HILLS, CA 90210***

ATTN: BID 15-58

CERTIFICATE OF INSURANCE

This is to certify that the following endorsement is part of the policy(ies) described below:

NAMED INSURED (CONTRACTOR)
COVERAGES

COMPANIES AFFORDING

ADDRESS

- A.
- B.
- C.

COMPANY (A. B. C.)	COVERAGES	POLICY NUMBER	EXPIRATIO N DATE	B.I.	<u>LIMITS</u> P.D.	AGGREGATE
	<input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> GENERAL LIABILITY <input type="checkbox"/> PRODUCTS/COMPLETED OPERATIONS <input type="checkbox"/> BLANKET CONTRACTUAL <input type="checkbox"/> CONTRACTOR'S PROTECTIVE <input type="checkbox"/> PERSONAL INJURY <input type="checkbox"/> EXCESS LIABILITY <input type="checkbox"/> WORKERS' COMPENSATION <input type="checkbox"/>					

It is hereby understood and agreed that the City of Beverly Hills, its City Council and each member thereof and every officer and employee of the City shall be named as joint and several assureds with respect to claims arising out of the following project or agreement:

It is further agreed that the following indemnity agreement between the City of Beverly Hills and the named insured is covered under the policy: Contractor agrees to indemnify, hold harmless and defend City, its City Council and each member thereof and every officer and employee of City from any and all liability or financial loss resulting from any suits, claims, losses or actions brought against and from all costs and expenses of litigation brought against City, its City Council and each member thereof and any officer or employee of City which results directly or indirectly from the wrongful or negligent actions of contractor's officers, employees, agents or others employed by Contractor while engaged by Contractor in the (performance of this agreement) construction of this project.

It is further agreed that the inclusion of more than one assured shall not operate to increase the limit of the company's liability and that insurer waives any right of contribution with insurance which may be available to the City of Beverly Hills.

In the event of cancellation or material change in the above coverage, the company will give 30 days' written notice of cancellation or material change to the certificate holder.

Except to certify that the policy(ies) described above have the above endorsement attached, this certificate or verification of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate or verification of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

DATE: _____

BY: _____
Authorized Insurance Representative

AGENCY: _____

TITLE: _____
ADDRESS: _____
