

TO RECEIVE A BID PACKAGE, BIDDER MAY EITHER DOWNLOAD THE BID FROM THE AUTHORITY'S WEBSITE AT <http://www.state.nj.us/turnpike/purchasing.html> OR REQUEST A BID BY COMPLETING THIS FORM AND FAXING IT TO THE NUMBER STATED BELOW FOR RECORD KEEPING PURPOSES. WE REQUEST THAT THE BIDDER COMPLETE THIS FORM AND RETURN TO US, EVEN WHEN BIDDER IS DOWNLOADING THE BID. THIS IS THE ONLY NOTICE OF BIDDING FOR THE FOLLOWING GOODS / SERVICES YOU WILL RECEIVE.

**THE NEW JERSEY TURNPIKE AUTHORITY
PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT**

P.O. Box 5042
581 Main Street
Woodbridge, New Jersey 07095-5042
Tel. - 732-750-5300
Fax - 732-750-5399

REQUEST FOR BIDS

TITLE: 1-TON PASSENGER VANS AND ACCESSORIES

BID NO: R-105889

DUE DATE: February 28, 2014

TIME: 2:30 PM

SUBMIT BIDS BEFORE THE DUE DATE AND TIME TO THE ABOVE ADDRESS

BIDDER INFORMATION (PLEASE PRINT)

NAME OF BIDDING ENTITY

ADDRESS

CITY, STATE AND ZIP CODE

E-MAIL ADDRESS

REPRESENTATIVE TO CONTACT-NAME & TITLE

TELEPHONE NO.

FEDERAL TAX I.D. NO. or TAXPAYER I.D. NO.

FAX NO

WE HAVE DOWNLOADED THE BID FROM THE AUTHORITY WEBSITE

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FAX NO.

BUSINESS CORPORATION _____ PARTNERSHIP _____ INDIVIDUAL

OTHER (SPECIFY): _____

BIDDER GUIDELINES/CHECKLIST

PURSUANT TO N.J.S.A. 27:23-6.1 AND N.J.A.C. 19:9-2.1 et seq. BID PROPOSALS WHICH FAIL TO CONFORM TO THE FOLLOWING REQUIREMENTS MAY BE REJECTED:

1. Bids must be received at or before the public opening time stated on the cover page at the following place: New Jersey Turnpike Authority, Administration Building, 581 Main Street, Woodbridge, New Jersey 07095. Telephone or Facsimile bids will not be accepted.
2. The bid proposal must include all price information. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Bids must be firm through issuance of contract.
3. All bid proposal prices must be typed or written in ink. Quote the specified unit of measure. If bidding an alternate, provide detailed specifications.
4. All corrections, white-outs, erasures, re-striking of type, or other forms of alteration or the appearance of alteration, to unit and/or total prices must be initialed in ink by the bidder.
5. **Have you included the following documents?**
 - (a) State of New Jersey Division of Revenue Business Registration Certificate(s)
 - (b) Certification of Registration with the Secretary of State (only if a foreign (non- NJ) corporation)
 - (c) Acknowledgement of Requirement for Disclosure of Political Contributions (ELEC)
 - (d) Public Works Contractor Registration Certificate(s) (if applicable)
 - (e) Affirmative Action Information Sheet with Certificate or Form AA302
 - (f) Signed Mandatory Equal Employment Opportunity Language
 - (g) SBE/WBE/MBE Certificates and Form
 - (h) Vendor Disclosure Form (EO129 - Location of Services)
 - (i) Notice of Set-Off for State Tax (P.L. 1999, c.159)
 - (j) Automobile Waiver
 - (k) Insurance Requirement – Limits for General Liability and Automobile Liability - \$1,000,000.00 each.
 - (l) **See the Authority's Instructions to Bidders (attached) for a complete list of the Authority's standard contract Terms and Conditions, as well as Required Forms that must be included with the bid.**
6. **Failure to comply with the requirements set forth in 1-5 above may result in bid rejection.**
7. **This Request for Bids requires the following Mandatory Document(s) or the bid will be rejected:**

Stockholder/Partnership Disclosure Statement
Bid Bond and/or Letter of Surety, Cashiers Check Requirement
8. Bidder must sign the Bid, or it may be rejected.
9. 3-Year Open End Option

REQUEST FOR BIDS
THIS IS NOT AN ORDER

Sealed Bid R-105889 will be received at the New Jersey Turnpike Authority Administrative Offices, 581 Main St., Woodbridge, New Jersey, as stated on the cover page at which time and place said bid will be publicly opened and read. Bidders mailing bids should allow for their normal mail delivery time to ensure timely receipt of their Public Bids. Please be advised that using overnight/next-day delivery service does not guarantee overnight/next-day deliveries to our location. The Authority will not be responsible for any bid not being received by the required date and time.

INTENTION

It is the intention of the Authority to issue a Purchase Order for the purchase of **FOUR (4) 1-TON PASSENGER VANS AND ACCESSORIES AS PER ATTACHED SPECIFICATIONS.** Items purchased under this Contract will be delivered as directed by the Authority. Please contact Richard Bava with any questions regarding this procurement at 732-750-5300 X 8636.

BID SHEET INSTRUCTIONS

Prospective Bidders should follow all instructions in this Request for Bids and in the standard Instructions to Bidders issued by the Authority, and any other documents issued by the Authority in connection with this Request for Bids (collectively, "Bid Documents"). Prospective Bidders must examine the Bid Documents carefully before bidding and must ask the Director of Procurement and Materials Management in writing for any interpretation or correction of any apparent ambiguity, inconsistency or apparent error therein. Any written request for interpretation or correction shall be directed to the Director of Procurement and Materials Management. Written requests can be submitted by FAX at 732-750-5399. If necessary, an interpretation or correction shall be issued by the Director of Procurement and Materials Management as an Addendum and FAXED to prospective Bidders who have obtained the Bid Documents. Upon the issuing of an Addendum, the content of the Addendum shall become part of the Bid Documents. **Requests for interpretation or correction shall be considered only if received at least 5 business days prior to the bid opening date.**

Only written interpretations or corrections issued by the Director of Procurement and Materials Management by Addendum shall be binding.

The submission of the Bid is conclusive evidence that the Bidder is fully aware of the conditions, requirements, and details as stated in the Bid Documents. If the Bidder, prior to submitting its

Bid, fails to notify the Director of Procurement and Materials Management of the existence of an ambiguity, inconsistency in the Bid Documents, a Bid will conclusively be presumed to have been based upon the interpretation of such ambiguity or inconsistency. All erasures, interpolations or other physical changes on the Bid form shall be signed or initialed by the bidder. Bids containing any conditions, omissions, erasures, alterations, or items not called for in this Request for Bids, or irregularities of any kind, may be rejected by the Authority, in its sole discretion, as being incomplete. The bidders shall not attach conditions, limitations or provisos to their Bid, except in cases where "Exceptions" are permitted.

The Authority will accept Approved Equivalent items on this bid. If a bidder is basing the proposal on items other than what is specified, and wishes the items he proposes to be considered as an "Approved Equivalent," the Bidder shall enter a price on the bid sheet then submit on the Exception Sheet in the exact format of the line item on the Request for Bids contained herein, the item number, an item description, including manufacturers name, model number, and packaging quantities of those Items which the Bidder proposes to substitute.

Bidders must quote only one price per line item. If a bidder quotes multiple prices per line item, the bid proposal may be rejected. All items are to be bid FOB Destination. All shipping, handling, and other costs should be considered in the bid price. The Authority will purchase amounts of any given item as needed, at the sole discretion of the Authority and shall not be bound by any quantities listed. The Authority reserves the right to make reasonable increases to line item quantities.

Contract award will be made to the lowest, responsible bidder.

BID PRICE FORM

ITEM	QUAN.	UNIT OF MEAS.	DESCRIPTION	UNIT PRICE	TOTAL BID PRICE
1	4	Each	1-TON PASSENGER VANS AND ACCESSORIES, AS PER ATTACHED SPECIFICATIONS.	\$	\$

Contract award will be made to the lowest responsive, responsible bidder.

**ANY INQUIRIES CONCERNING THIS BID MUST BE SENT VIA FAX NO LATER THAN FIVE (5)
BUSINESS DAYS BEFORE BID OPENING**

DELIVERY DATE _____, to sites as specified in the bid specifications.
Discount Terms Based On Net 30 Days Only.

NEW JERSEY TURNPIKE AUTHORITY

AUTHORIZED SIGNATURE

Name of Company and / Authorized Signature of Bidder

SIGNATURE PAGE

ADDENDA / INQUIRIES: COMPLETE (if applicable) BEFORE SUBMITTING BID:
Receipt of Addendum / Inquiries # _____ dated _____ is hereby
acknowledged.
Receipt of Addendum / Inquiries # _____ dated _____ is hereby
acknowledged.

CHECK BOX IF NO ADDENDA/INQUIRY ISSUED

(All Addenda / Inquiries must be acknowledged as indicated above.)

BID IRREVOCABLE: This offer shall be irrevocable for ninety (90) working days after the date on which the Authority publicly opens this bid except in those instances where an unsuccessful bidder has filed a Protest pursuant to N.J.A.C. 19:9-2.12. Upon notification of a Protest, Bidders are required to hold their prices for an additional 90 days. All bidders will be notified in writing of the action taken by the Authority.

OFFER/CERTIFICATION: The undersigned offers and agrees to furnish to the New Jersey Turnpike Authority the services and/or materials in compliance with all terms, conditions, specifications and addenda of the RFB, Bid Documents, and resulting contract. The undersigned further certifies understanding and compliance with the requirements of the standard terms and conditions as stated in the Instructions to Bidders included with the Bid Documents. The undersigned certifies that he or she executes this bid with full authority so to do; and that all statements contained in this bid and in this certification are true and correct, and made with full knowledge that the Authority relies upon the truth of the statements contained herein and in any statements requested by the Authority showing evidence of qualifications in awarding the contract. I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

AUTHORIZED SIGNATURE: _____

Print Name and Title: _____

Bidding Entity: _____

Address: _____

City, State, Zip: _____

Telephone #: _____ Fax: _____

NEW JERSEY TURNPIKE AUTHORITY

NO RESPONSE BID SURVEY

BID REQUISITION NUMBER: R-105889

BID TITLE: 1-TON PASSENGER VANS AND ACCESSORIES

If you do not choose to respond to this Bid, please complete the form below:

Name of Company _____

Reason you did not respond (Check all that apply)

- _____ Cannot supply product or service
- _____ Cannot meet technical specifications
- _____ Cannot meet delivery specifications
- _____ Cannot meet legal requirements
(i.e. bid/performance/security/insurance, etc.)
- _____ Cannot provide a competitive price at this time
- _____ Interested in receiving specifications for informational purposes only.
- _____ Insufficient lead time to respond
- _____ Other : (please be specific)

Do you wish to remain on our mailing list?

_____ Yes _____ No

Additional comments: _____

Signed : (optional) _____
Company: _____

ADDITIONAL YEARS PURCHASING OPTION, for R-105889

BID TITLE: 1-TON PASSENGER VANS AND ACCESSORIES

3- Year Open End Option: The Authority shall have the option for one (1) Model Year* from the date of Contract, to order additional units conforming to the requirements of these specifications at the same price and under the same terms and conditions as those required herein.

The Authority shall further have the option to purchase additional units conforming to these specifications for two (2) additional Model Years. Any unit(s) offered during the two (2) subsequent Model Years shall be of the model equivalent to that specified herein. In the latter instances, if there have been any price changes in the two subsequent Model Years, the vendor shall submit a request to the Authority covering the aforesaid price changes, and shall include appropriate explanation and justification for any such price changes.

Any such request for price adjustment shall be in writing and directed to the Director, Procurement and Materials Management Department and shall be accompanied by the following evidence as a basis for your request;

1. The published price lists for equipment, which were in effect at the time of your original proposal.
2. The equivalent published price lists in effect at the time of your request.
3. Any additional evidence which the Authority deems necessary in the evaluation of your request.

The Authority shall, within its sole discretion, have the right to accept the price changes proposed by the vendor or if it is so desires re-bid the requirement.

*Model Year is defined as the Model Year of the Manufacturer of the unit(s) offered by you in this Request For Quotation. In that instance where proposals are for equipment for which "Model Year" and "Production Cut-Off Dates" are undefined or non-existent, the "Model Year" is defined, for bid purposes, as one calendar year from the date on which the Contract is accepted. The last date on which orders may be placed for the Model currently in effect is _____.

NEW JERSEY TURNPIKE AUTHORITY

GENERAL INSTRUCTIONS AND SPECIFICATIONS FOR: 1-TON PASSENGER VAN AND ACCESSORIES

Quantity	Description	Maximum Delivery Date
4	1-Ton Passenger Van and Accessories	150 Days After Receipt of Order

SPECIFICATIONS:

PV-2014: PASSENGER VAN

LB-SP-RS: LIGHTBAR, SWITCH PANEL, AND REAR STROBES

COMPLIANCE WITH RULES AND REGULATIONS: The unit and associated equipment furnished must comply with all Federal and State Motor Vehicle Safety Laws and Regulations. The unit and all associated equipment furnished shall be capable of passing the New Jersey State Motor Vehicle Inspection Laws, where applicable.

ENERGY STAR REQUIREMENTS: If applicable for items specified in bid package, the vendor must provide products that earn ENERGY STAR and meet the ENERGY STAR specifications for energy efficiency. The vendor is encouraged to visit energystar.gov for complete product specifications and updated lists of qualifying products. The ENERGY STAR label must also be affixed to each delivered item. The bidder's signature on the signature page certifies that items so indicated that have earned ENERGY STAR and meet the ENERGY STAR specifications or other standards for energy efficiency will be supplied to Using Agencies, if a contract is awarded to the bidder.

ERRORS AND OMISSIONS: Inadvertent omissions or errors in the attached specifications must be brought to the attention of the New Jersey Turnpike Authority's Director of Procurement and Materials Management at 732-750-5300 before bid submission date. If, with knowledge of such error or omission and prior to the correction thereof, the bidder proceeds with any work affected hereby, they shall do so at their own risk and the work so done shall not be considered as work done under and in performance of this Agreement unless and until approved and accepted.

DELIVERY INSTRUCTIONS: Vendor must contact the Authority to schedule date and time prior to delivery. Contact Peter Perperas (Project Supervisor) at 732-442-8600 ext. 2868 when unit is ready for delivery to the Authority's facility. Any work that needs to be completed including all pre-delivery preparation shall be completed prior to delivery. **All units shall be delivered to the New Jersey Turnpike Authority's Garden State Parkway Division's Telegraph Hill Central Maintenance Facility located at Exit 116 in Holmdel, NJ 07733 on the Garden State Parkway.**

The following administrative package must accompany all deliveries:

- Certificate of Origin for each vehicle (Certificate of Origin shall be stamped “Sales Tax Satisfied” and shall be made out to New Jersey Turnpike Authority, 581 Main St. Woodbridge, NJ 07095). C.O. shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
- Vendors invoice processed for NJTA payment procedures. (Purchase order number must be displayed on invoice). Invoice shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
- Warranty forms properly executed.
- Four (4) keys for each vehicle shall be furnished (each vehicle shall have an independent key code). Successful bidder must supply a key code listing for each vehicle identification number. **NO EXCEPTIONS**
- Four (4) keys, keyed alike for toolboxes or similar compartments on each vehicle shall be furnished. **NO EXCEPTIONS**
- A 30 day temporary registration tag shall be applied to each vehicle.
- State MVC (Motor Vehicle Commission) required inspection stickers shall be provided on each vehicle upon delivery.
- All units shall be delivered with a minimum of a half tank of fuel.
- Deliveries made directly from the manufacturer to the Authority shall **not** be acceptable.

EXCEPTION SHEET: Exception sheet is furnished with each set of specifications. Bidders making exceptions **must** note exceptions by item and indicate substitution in lieu and submit with bid, detailed specifications on the substitution. If the vendor is submitting an alternate product, component, feature or part to what is referenced in the specifications, the proposals **must** be accompanied by descriptive literature, marked and indicating the exact items to be furnished, with an engineering drawing of the same. **Failure to supply information requested may result in rejection of bid.** Where no exception is taken, the word “None” shall be neatly printed or typed on the exception sheet. **Failure to supply information and failure to complete the bidder’s exception spaces in the prescribed manner may disqualify bid. It shall be understood that if no exception is taken, the vendor shall supply all material exactly as specified. No substitution will be permitted after receipt of bids.**

UNIT INFORMATION FORM: Vendor shall complete the entire Unit Information Form.
Failure to fully complete all forms may result in rejection of bid.

LABELS: All controls and switches installed on unit by chassis manufacturer or sub-contractor shall be clearly and permanently labeled. Plastic stick-on labels shall **not** be acceptable.

ADVERTISEMENTS: No Dealer advertisements shall appear on the cab, chassis, body or any other related equipment.

ACCESSORIES: All accessories shall be manufacturer installed when the item is available from the manufacturer.

FACILITIES: Bidders shall represent a manufacturer, which has in operation, a factory adequate for the manufacture of the equipment, which it proposes to furnish. The manufacture(s) whose associated equipment or products are bid shall have a full service warranty and parts supply facility that can guarantee availability of parts within 24 hours after telephone order and shall be located within a 100 mile radius of the both Central Maintenance Facilities located in Holmdel, NJ 07733. This facility will be required to establish an in-house warranty program and provide all warranty work related to the equipment in the bid proposal. The bidder shall submit the location, names and telephone numbers of people who are authorized to service the equipment or can be reached for emergency service.

Location _____

Phone # _____

Contact _____

Name & Title

**SPECIFICATIONS: PV-2014
PASSENGER VAN**

BIDDER'S INSTRUCTIONS

IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

GENERAL:	COMPLY	
	YES	NO
A. 2014 or new current model, 1-ton regular length 5-seat passenger van.		
B. 9,500 lbs. minimum G.V.W.R.		
C. 135" wheelbase.		
ENGINE:		
A. V-8 engine.		
B. 6.0 liter minimum fuel injected gas engine.		
C. 300 horsepower minimum.		
D. 350 lb. /ft. torque minimum.		
ELECTRICAL:		
A. Heavy-duty 12-volt maintenance free battery, 750 CCA minimum.		
B. Heavy-duty 145-amp minimum alternator.		
STEERING:		
A. Power steering.		
TRANSMISSION:		
A. Automatic transmission.		
B. 4-speed automatic with overdrive electronically controlled.		
C. Synthetic transmission fluid shall be used and installed at factory.		
FRONT BUMPER:		
A. Manufacturers standard.		
FRONT SUSPENSION:		
A. Independent torsion bar or coil spring.		

B. 3,900 lbs. minimum capacity.		
C. Stabilizer bar.		
FRONT AXLE:		
A. 4,300 lbs. minimum capacity.		
FRONT SHOCKS:		
A. Heavy-duty type.		
REAR BUMPER:		
A. Manufacturers step style.		
REAR SUSPENSION:		
A. Multi-leaf type springs.		
B. 6,000 lbs. minimum capacity.		
REAR AXLE:		
A. Manufacturers standard ratio.		
B. 6,000 lbs. minimum capacity.		
C. Heavy-duty automatic locking rear differential.		
BRAKES:		
A. 4-wheel anti-lock.		
B. Manufacturers standard parking brake.		
TIRES:		
A. All season tubeless black wall radial.		
B. LT245/75R16E front and rear tires.		
C. One (1) mounted spare tire on rim full size, same as mounted on vehicle with mechanical jack and wheel wrench.		
CAB:		
A. 2-door cab (driver and passenger) with passenger side sliding side cargo glass door and rear swing-out type glass doors.		
B. Full rubber floor covering.		
C. Instruments/interior/reading and dome lights shall be included.		
D. Gauges: <ul style="list-style-type: none"> • Engine coolant temperature • Alternator charge • Mileage & speed • Oil pressure 		
E. Fuel tank capacity: 31-gallon.		
F. Horn: Dual electric.		
G. Two (2) dash-mounted power outlets.		
H. Steering column-tilt type.		
I. Windshield wipers: Intermittent.		
J. Windshield washers: Wet arm pulse.		
K. Sun visors: Right/left side.		
L. Arm rests: Padded right hand/left hand.		
M. Seats: Standard vinyl driver, passenger and bench row seat. <u>Note:</u> Bench		

row seat shall match the front bucket seats in style and material.		
N. Seatbelts: Provide all positions.		
O. Air bags: Provide for driver and passenger.		
P. Fresh air heater/defroster.		
Q. All weather air conditioning.		
R. AM/FM stereo radio and antenna.		
S. Daytime running lamps.		
T. Mirrors: Black foldaway adjustable heads.		
U. Front license plate bracket.		
V. Provide safety reflector kit in cab.		
W. Provide in cab a 2½ lb. dry chemical “UL” listed fire extinguisher suitable for ABC class fires.		
X. Console engine cover with swing-out storage bin.		
Y. All lighting and accessories shall turn off with ignition key “off” except for D.O.T. requirements.		
GLASS TINT:		
A. The glass on the passenger side sliding door and the glass on the rear doors shall be tinted.		
B. The tint shall be a 20% glass tint grade.		
LIGHTS AND REFLECTORS:		
A. Shall comply with New Jersey State D.O.T. Regulations.		
B. Use LED where applicable.		
REAR CAMERA KIT:		
A. All vans listed in this bid package shall be equipped with a camera kit.		
B. The kit shall consist of rear view mirror monitor and flex mount camera.		
C. The kit shall be a chassis manufacturers OEM, EchoMaster K1S4R or approved equivalent, which consists of one (1) VM43R rear view mirror monitor and one (1) VM-11S flex mount camera.		
D. Bidders must provide detailed specifications, exact descriptions, and diagrams of rear camera kit that shall be provided.		
LIGHTBAR:		
A. Location of lightbar shall be determined by contacting the NJTA Inspector prior to mounting.		
B. See attached lightbar specification: LB-SP-RS.		
PAINT:		
A. Manufacturers standard white.		
MANUALS:		
A. One (1) each of the following manuals shall be supplied for each vehicle at time of delivery: Operating, Maintenance, Repair, and Parts.		
WARRANTY:		
A. Manufacturers standard warranty (36 months/36,000 miles) from date of acceptance by the NJTA.		
B. Power train shall be warranted for up to five (5) years/100,000 miles.		

C. Furnishing dealer shall handle all warranty claims as required.		
PARTITION:		
A. All vans listed in this bid package shall be equipped with a partition.		
B. The partition shall be Adrian Steel model constructed with a perforated window in the center top section for the driver to be able to view rear area using the rearview mirror.		
C. Partition shall be installed directly behind bench row seat.		
D. Bidders must provide detailed specifications, exact descriptions, and diagrams of partition that shall be provided.		
SPRAY-ON FLOOR LINER:		
A. Black spray-on floor liner (similar to spray-on bed liner used in a pick-up truck bed).		
B. Spray-on floor liner shall be applied per the manufacturer's specifications.		
C. Spray-on floor liner shall be applied from the partition directly behind bench row seat all the way to the rear of the van and approximately 1' foot up the walls and the rear doors.		

SPECIFICATIONS: LB-SP-RS
LIGHTBAR, SWITCH PANEL, AND REAR STROBES

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LIGHTBAR:	<u>COMPLY</u>	
	YES	NO
A. The lightbar shall be a Whelen Engineering Delta Model D12HA50NJTA or approved equivalent.		
B. Furnish and install a two-level, aerodynamically designed all-light vehicular lightbar and mounting hardware for all trucks specified in this bid package.		
C. The lightbar shall consist of primary warning in the upper section and secondary warning in the lower section.		
D. The lightbar shall be certified as meeting SAE J845 Class I warning light specifications.		
E. Dimensions: <ul style="list-style-type: none"> • Length.....49¾" • Width.....16¾" • Height.....5½" • Weight.....48 lbs. 		
PRIMARY WARNING (UPPER LEVEL):		
A. Two (2) outboard independent motor driven rotating light assemblies. Each rotating reflector shall produce 175 minimum flashes per minute. The candlepower of each rotating light shall be 72,000 cp.		
B. Two (2) inboard independent motor driven rotating light assemblies shall feature a double ball bearing design for quiet, long life and superior performance. Each shall produce a 175 minimum flashes per minute. The candlepower of each rotating light shall be 72,000 cp.		

<ul style="list-style-type: none"> Alley Lights/Take-Down Lights 3.9 amps each 		
SWITCH CONTROL PANEL:		
A. The switch control panel shall be a Whelen Model PCCHD2 or an approved equivalent.		
B. Switch control panel shall be designed to accommodate six (6) circuit breaker rocker switches with legend inserts above each switch for various lightbar devices and back lighting.		
C. The panel dimensions shall be approximately 2 ³ / ₈ " high x 6" wide x 5 ³ / ₈ " deep.		
D. The switch assembly shall be supplied with seventy-two (72) legend tabs to choose from (switches shall be rated at a minimum of 25 amps @ 12 V.D.C.). Switch Designation/Function: <ul style="list-style-type: none"> Switch one..... Rotating Lights Switch two..... Front/Rear Light Bar Flashing LED's Switch three.....Rear Strobes and Under Bumper LED Switch four.....Take-Down Lights Switch five.....Left Alley Light Switch six.....Right Alley Light 		
E. A 40 amp circuit breaker switch shall protect the rotating light circuit (switch one). The remaining circuits (switches two thru six) shall be a minimum of 25 amp circuit/breaker type switches.		
F. The switch module shall be designed to be installed on a vehicle mounting surface. The switch module shall be located so the vehicle and controls can be operated safely under all driving conditions.		
WIRING:		
A. Use 14 and 16 AWG wire and connect leads to the applicable lightbar component.		
B. Use 8 AWG wire and connect the ground lead to a reliable vehicle ground. One (1) master ground wire shall be used. All switching shall be done via 14 and 16 AWG wires.		
C. Use 18 AWG wire and connect the back lighting circuit to the lead vehicle instrument light circuit.		
D. The power for the switch module panel shall be obtained from a vehicle power distribution center or by an 80 amp master circuit breaker. The center or master circuit breaker shall be provided and installed by vendor. All circuits shall be protected by fuses or circuit breakers. Install the power distribution center or master circuit breaker as close to the battery (ies) as possible. Use 8 AWG wire and connect the power lead to the master circuit breaker or power distribution center.		
E. Provide a wiring diagram for both lightbar and switch panel showing all components with part numbers.		

F. Holes drilled through the firewall and roof for wiring and mounting brackets shall have a grommet or similar device placed in the hole to protect the wires and brackets against damage and water leakage.		
G. The outer cab roof holes shall be sealed with silicone sealant to prevent water leakage.		
REAR STROBES:		
A. The rear strobe type light shall be a Whelen Model VTX609A Vertex Super LED Light or approved equivalent.		
B. Furnish and install 2 self-contained hemispheric LED strobe type light head assemblies into the reverse (back-up light) section of rear taillight assemblies, including all mounting hardware and accessories for all vehicles listed in bid package. (Exact placement shall be determined by the Authority prior to installation, solder/seal connections only).		
UNDER BUMPER LED:		
A. The under bumper LED light shall be a Whelen Model RSA03ZCR Super LED light or an approved equivalent.		
B. Furnish and install two (2) TIR3 Super LED light head assemblies under the rear bumper using an aluminum bezel and an L-type mounting bracket for each light head for all vehicles listed in this bid package. (Exact placement shall be determined by the Authority prior to installation, solder/seal connections only).		

FAILURE TO COMPLETE ALL AREAS MAY RESULT IN REJECTION OF BID

UNIT INFORMATION FORM

VAN:

YEAR: _____ MAKE: _____ MODEL: _____

ENGINE MAKE: _____

MODEL: _____ CID: _____ HP: _____ @ _____ RPM

ALTERNATOR MAKE: _____ MODEL: _____

AMPS: _____

BATTERY VOLTS/AMPS: _____ C.C.A. @ O° F: _____

FUEL TANK CAPACITY: _____ GALLONS

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

CAMERA KIT:

YEAR: _____ MAKE: _____ MODEL: _____

DESCRIPTION: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

PARTITION:

DESCRIPTION: _____

YEAR: _____ MAKE: _____ MODEL: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

