

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: CHIPPER DUMP BODY AERIAL BUCKET TRUCK

BID NO: R-98960

DUE DATE: 4/4/13

TIME: 2:00 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

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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. Bid proposals 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 proposals will not be accepted. The accompanying self-addressed envelope should contain or be attached to the bid proposal.
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
 - (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 Documents 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. Contract Bond Requirement – Full amount of contract.
10. 3-Year Open End Option

REQUEST FOR BIDS
THIS IS NOT AN ORDER

THIS IS NOT AN ORDER

Sealed Bid R-98960 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 **One (1) CHIPPER DUMP BODY AERIAL BUCKET TRUCK.** 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 Purchasing 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 Purchasing. Written requests can be submitted by FAX at 732-750-5399. If necessary, an interpretation or correction shall be issued by the Director of Purchasing 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 Purchasing 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 Purchasing 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. All items are to be bid FOB Destination. All shipping, handling, and other costs should be considered in the bid price.

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	1	Each	CHIPPER DUMP BODY AERIAL BUCKET TRUCK, AS PER ATTACHED SPECIFICATIONS.	\$	\$

Contract award will be made to the lowest, 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-98960

BID TITLE: CHIPPER DUMP BODY AERIAL BUCKET TRUCK

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-98960

BID TITLE: CHIPPER DUMP BODY AERIAL BUCKET TRUCK

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, Purchasing 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: CHIPPER DUMP BODY AERIAL BUCKET TRUCK AND ACCESSORIES

Quantity	Description	Maximum Delivery Date
1	33,000 lbs. GVWR Cab & Chassis Chipper Dump Body with Single Man Aerial Bucket Truck and Accessories	240 Days After Receipt of Order

SPECIFICATIONS: CDBABT-2013 CHIPPER DUMP BODY AERIAL BUCKET TRUCK

COMPLIANCE WITH RULES AND REGULATIONS: The unit and associated equipment furnished must comply with all Federal and State Motor Vehicle Safety Laws and Regulations and 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.

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 Purchasing at 732-750-5300 before bid submission date. If the bidder discovers any errors or omissions in the work undertaken and executed by them, they shall also immediately notify Peter Perperas (Project Supervisor) at 732-442-8600 ext. 2868 who shall promptly verify the same. 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.

PILOT MODEL: Questions, which arise before or during the preparation of the pilot model, shall be addressed in writing via e-mail from the vendor to Peter Perperas (Project Supervisor), perperas@turnpike.state.nj.us at the New Jersey Turnpike Authority on a not to delay basis.

The awarded bidder shall make available one **fully completed** pilot model for inspection and approval by the Authority. The unit shall be transported (responsibility of the awarded vendor) to the NJTA Garden State Parkway Division's Telegraph Hill Maintenance Facility located at Garden State Parkway Exit 116 in Holmdel, NJ 07733.

DELIVERY INSTRUCTIONS: Vendor must contact Peter Perperas (Project Supervisor) at 732-442-8600 ext. 2868 for authorization to schedule date and time prior to delivery. All units must be pre-delivery serviced, completely assembled, operational, and cleaned prior to delivery. **Deliveries shall be made to the NJTA Garden State Parkway Division Telegraph Hill Central Maintenance Facility located at GSP Exit 116 in Holmdel, NJ 07733.**

- A. Vendor shall be responsible for all delivery, shipping and pick-up expenses.
- B. The following administrative package **must** accompany all deliveries:
 - **Certificate of Origin:** stamped "Sales Tax Satisfied" and shall be made out to New Jersey Turnpike Authority, 581 Main St. Woodbridge, NJ 07095. Certificate of Origin shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
 - **Invoice:** purchase order number must be displayed on vendors 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 shall be furnished for each vehicle. **NO EXCEPTIONS**
 - State MVC (Motor Vehicle Commission) required inspection stickers shall be provided with each vehicle upon delivery.
 - Federal Safety Inspections shall be performed and stickers shall be attached to the vehicles prior to delivery.
 - Delivery of all units fully completed and fully compliant shall be made no later than two hundred forty (240) days after receipt of Purchase Order.

- In the event the vendor fails to timely deliver the units, the vendor shall pay the Authority liquidated damages in the amount of \$350.00 per unit for each calendar day (**No Exceptions for Liquidated Damages**) beyond the maximum delivery date, as per Dataquest's Rental Rate Blue Book for Construction Equipment.

C. All units shall be delivered with a minimum of a half tank of fuel.

D. Deliveries made directly from the manufacturer to the Authority shall not be acceptable.

WARRANTY: All units delivered must be guaranteed to be free from defects in materials, design and workmanship for a minimum of one (1) year (see additional warranty coverage's in specification) from the time of acceptance by the New Jersey Turnpike Authority. All warranties shall start upon written acceptance of units by the New Jersey Turnpike Authority. Warranty must include service availability from any manufacturers authorized dealer establishment most closely located to Parkway and Turnpike area. This repair facility may not be further than 100 miles from Telegraph Hill Central Maintenance Facility in Holmdel, NJ 07733 or Central Shops Maintenance Facility located in Hightstown, NJ 08520. If warranty service is required, the vendor who supplied the unit shall provide for pickup, delivery and repair of unit at no charge to the New Jersey Turnpike Authority. The vendor shall also have a program to include an in-house warranty. All warranty periods shall start from date of acceptance of unit by the New Jersey Turnpike Authority.

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 indicate 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/or 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.**

SERVICE PARTS IDENTIFICATION FORM: Vendor shall complete the entire Service Parts Identification Form, where applicable for chassis section. Replacement parts shall be available to the general using trade, parts shall not be proprietarily manufacturer protected. **Failure to complete form may result in rejection of bid.**

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

MANUFACTURER’S PRODUCTION SHEET: The vendor shall furnish one (1) copy of the actual Factory Production Sheet for each unit provided. The copies of the Factory Production Sheet shall be submitted at the time of the Authority’s inspection of the unit.

TRAINING: It shall be the responsibility of the successful bidder to supply all safety, operational and service training to New Jersey Turnpike Authority personnel in accordance with all applicable ANSI and OSHA regulations. The safety and operational training shall consist of a complete review and understanding of the manufacturer’s owner manual, along with actual operation of equipment. The instructor shall emphasize all proper uses for safe operation. The training shall include but not limited to all general troubleshooting of the hydraulic system and associated electronics. The instructor shall also emphasize the proper use of tools and test equipment along with general shop safety. The service seminars shall be similar to factory and manufacture type schools. The training shall be scheduled and take place at one (1) site with a minimum of eight (8) hours training at the site designated by the New Jersey Turnpike Authority.

LABELS: Plastic stick-on labels shall not be acceptable.

ADVERTISEMENTS: No Dealer advertisements shall appear on unit 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 either Central Shops Maintenance Facility (exit 8 on the NJ Turnpike) located in Hightstown, NJ 08520 or Telegraph Hill Central Maintenance Facility (exit 116 on the GSP) 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 locations, names and telephone numbers of people who are authorized to service the equipment or who can be reached for emergency service.

Location _____

Phone # _____

Contact _____

Name & Title

**SPECIFICATIONS: CDBABT-2013
CHIPPER DUMP BODY AERIAL BUCKET TRUCK**

INTENT: The intent of this specification is to describe and govern the purchase of a new current model chipper dump body aerial bucket truck and accessories. The complete unit shall be new and of the latest design and be in current production at the time of submission of bid. All standard and optional equipment shall be Original Equipment Manufacturer (OEM) items, when available. **NO EXCEPTIONS**

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. The intent of this specification is to describe and govern the purchase of a new current model chipper dump body aerial bucket truck and accessories.		
B. The complete unit shall be new and of the latest design and be in current production at the time of the submission of bid.		
C. All standard and optional equipment shall be Original Equipment Manufacturer (OEM) items, when available. NO EXCEPTIONS		
D. Bidders must submit with their bid, detailed specifications, along with pictures and brochures of their complete unit being bid. NO EXCEPTIONS		
TRUCK CHASSIS:		
A. 2014 or new current model two-door cab chassis International Model 7500 (SFA 4 x 2) or approved equivalent.		
B. 33,000 lbs. minimum G.V.W.R.		
C. Wheelbase: 195".		
D. Cab to axle: 120".		
ENGINE:		

A. Turbocharged diesel engine.		
B. 530 cubic inch diesel engine.		
C. Horsepower 310 hp @ 2,000 rpm.		
D. Torque 1,050 lb/ft @ 1,200 rpm.		
E. Programmable electronic road speed governor.		
F. Engine shutdown system monitoring low oil pressure, high coolant temperature, low coolant level-including warning light and buzzer, and air cleaner restriction.		
G. Engine must meet all current Federal Emission Standards.		
H. Provide heavy-duty type radiator and long life coolant.		
I. Cooling system shall have Ethylene Propylene Diene Monomer (EPDM) hoses with constant torque hose clamps.		
J. Engine and radiator shall be designed for the installation of a front engine power take-off (FEPTO) with shaft passing under the radiator.		
K. Exhaust shall be vertical diesel particulate filter, frame mounted passenger side back of cab with vertical 90° turn back exhaust stack design and include a full exhaust heat shield.		
L. Supply a dash-mount Diesel Particulate Filter (DPF) inhibit switch.		
M. Engine shall include self-diagnostic features and code read out at dash.		
N. Provide programmable electrically integrated remote engine speed control including wiring for body builder installation of PTO controls and ignition switch.		
O. Starter shall be 12-volt heavy-duty with thermal over-crank protection.		
P. Heated fuel/water separator.		
TRANSMISSION:		
A. Provide 5-speed Allison automatic transmission Model 3000RDS or approved equivalent with PTO opening, complete with oil cooler, oil level sensor and temperature gauge in cab.		
B. Dash-mounted push button shift control.		
C. Synthetic transmission fluid shall be used and installed by OEM.		
ELECTRICAL:		
A. Leece-Neville LBP2203H or approved equivalent 160-amp pad-mounted alternator.		
B. Three (3) 12-volt 1950 (total) CCA maintenance free batteries including auxiliary jump start stud with cover.		
C. Provide 120-volt 1,250 watt block heater with weather protected flip plug mounted under driver's side door.		
D. An electrical system electronic control module shall be provided to monitor electrical system functions and provide in-cab fault codes.		
E. All in-cab switching shall be factory installed with chassis electrical connectors for body integration.		
F. Chassis shall include manual reset breakers (except for 5 amp fused		

circuits).		
G. Fender mounted directional lamps with dual face, amber/amber.		
H. Two-way radio wiring with 20 amp fuse protection. Include ignition wire with 5 amp fuse, wire ends heat shrink and routed to center of header console in cab.		
I. Five (5) cab marker lights, amber LED, flush mounted on cab.		
J. Courtesy lights and dome lights.		
K. Headlight warning will sound when head light switch is on and ignition switch is in off position. All lights shall automatically turn on when windshield wipers are on.		
L. AM/FM stereo with weather band clock, auxiliary input and speakers.		
M. Windshield wiper speed control forces wipers to slowest intermittent speed when parking brake is set and wipers are left on for a pre-determined time.		
N. Provide a programmable and electrically integrated dash-mounted back-lit rocker type switch for work lights and warning lights.		
O. Install a Preco 45-AA or approved equivalent back-up alarm.		
P. Splicing into electrical system shall not be allowed.		
Q. In addition to the control switch, all lighting and accessories shall turn off with ignition key "off" except for Federal D.O.T. requirements.		
R. It shall be the responsibility of the body supplier to ensure capability of installed equipment with switches provided by chassis manufacturer.		
AXLE /SUSPENSION:		
A. Front axle 12,000 lbs. capacity.		
B. Front axle shall have taper-leaf springs and heavy-duty shock absorbers.		
C. Front axle shall have oil lubricated wheel bearings and seals.		
D. Rear suspension 21,000 lbs. capacity.		
FRAME:		
A. Provide a C-channel type frame on the heavy-duty heat treated 120,000 psi frame rails from the front to the end of chassis.		
B. Two (2) front tow hooks.		
STEERING:		
A. Power steering.		
B. Multi-position tilting steering column.		
C. Steering wheel mounted controls shall include: <ul style="list-style-type: none"> • Electric horn • Cruise control 		
FUEL TANK:		
A. Provide a 50-gallon aluminum step-type fuel tank.		
B. Thermostatic controlled electric fuel heater separator and filter with filter restriction and change indicator.		
C. Fuel tank shall be lettered in 1" high green letters "DIESEL FUEL		

ONLY”.		
WHEELS/TIRES:		
A. Front tires: two (2) Goodyear or approved equivalent 11R22.5, 14 ply highway tread radials.		
B. Rear tires: four (4) Goodyear or approved equivalent 11R22.5, 14 ply highway tread radials.		
C. Front and rear steel disc wheels powder coated black.		
D. Supply rear rubber (plastic shall not be acceptable) mud flaps-plain black color. (No Advertisements)		
BRAKES:		
A. Anti-lock air brakes.		
B. 13.2 cfm gear driven air compressor.		
C. Spin-on heated air dryer.		
D. Pull chains on air reservoir tanks.		
E. Automatic slack adjusters on front and rear axles and include dust shields.		
F. Parking brake shall be air operated, spring loaded on rear axle with separate reservoir tank.		
G. Parking brake alarm shall be provided and horn shall sound when parking brake is not set with ignition off and any door opened.		
CAB:		
A. Conventional cab.		
B. Cab shall include all standard items and the following: <ul style="list-style-type: none"> • Complete gauges • Air pressure gauges with low pressure warning alarm • Voltmeter • Tachometer • Engine hour meter • Warning light and buzzer for engine low oil pressure • Warning light and buzzer for engine high coolant temperature 		
C. PTO switch shall be controlled by a single back-lit rocker type switch that shall be centrally mounted on dash in OEM 6-pack.		
D. Interior cab color shall be heavy-duty dark gray.		
E. HVAC system shall include heater, defroster, air conditioning (a/c shall have self-diagnostics features with dash displayed fault codes).		
F. Supply two (2) exterior power adjustable west coast style mirrors with convex spot mirrors. Stainless steel “C” type breakaway mounting bracket.		
G. Two (2) grab handles interior mounted. One (1) extra-long chrome grab handle with rubber insert-driver’s side only-exterior mounted.		
H. Full suspension high back air operated driver’s seat covered in heavy-duty vinyl including lumbar support and inboard armrest and three-point seatbelt.		
I. 2-man passenger seat with two (2) integral head rests covered in heavy-duty vinyl and three-point seat belt on out board seating and lap belt in center		

seat.		
J. Daytime running lights.		
K. Electronic engine throttle and cruise control.		
L. Heavy-duty rubber flooring and knock-out plugs for body builder.		
M. Overhead console with storage and two-way radio pockets and door storage pockets on both sides.		
N. Cab and body lighting shall comply with all State and Federal Regulations.		
O. All glass shall be tinted safety glass.		
P. Provide dual sun visors.		
MISCELLANEOUS:		
A. Provide in cab a dry chemical 5 lb. "UL" listed fire extinguisher suitable for ABC class fires mounted in a quick-release type bracket.		
B. Triangle reflector kit shall be provided in cab.		
PAINT:		
A. Cab shall be painted with DuPont Dulux Omaha Orange Enamel # 93-082 or approved equivalent.		
B. Paint shall be applied in a two-step process with the orange base coat and additional urethane clear coat finish.		
C. All frame, running gear, and top of hood shall be painted flat black.		
MANUALS:		
A. Provide one (1) complete set of factory service manuals in either CD's or DVD's, which shall cover the truck chassis, engine, transmission, air-brake system, and other components installed for each vehicle ordered.		
B. Provide one (1) complete detailed schematic and description of any body hydraulics, electrical and other components not installed by chassis manufacturer for each vehicle ordered.		
C. The following manuals for the chassis section of the bid shall be supplied at time of delivery for each vehicle ordered: <ul style="list-style-type: none"> • Operation-1 • Maintenance-1 • Repair-1 • Parts-1 • Electrical-1 		
D. One (1) complete set of factory diagnostic and repair software interface, including all necessary cabling and connectors for a laptop computer shall be supplied with each vehicle ordered.		
WARRANTY:		
A. Engine shall be covered for seven (7) years/150,000 miles/5400 hours including all electronic engine components and injectors at 100% parts and labor.		
B. Cab shall be covered for five (5) years unlimited miles for perforation,		

corrosion, and structure.		
C. The frame shall be covered at 100% parts and labor for eight (8) years/unlimited miles for cracks.		
D. The transmission shall be covered for five (5) years/unlimited mileage at 100% parts and labor.		
E. All warranties shall start upon date of acceptance from the NJTA.		
ARTICULATING OVER-CENTER AERIAL DEVICE:		
A. Articulating over-center aerial device with an insulating lower and upper boom installed onto the chassis described in this specification.		
B. The complete unit shall be new and of the latest design and be in current production at the time of the submission of bid.		
C. All standard and optional equipment shall be Original Equipment Manufacturer (OEM) items, when available. NO EXCEPTIONS		
D. Bidders must submit with their bid, detailed specifications, along with a specific CAD drawing, and pictures of their complete unit being bid. NO EXCEPTIONS		
E. Unit shall meet or exceed ANSI 92.2 standards.		
F. Insulating aerial device, ANSI Category C, 46 kV and below.		
FEATURES:		
A. Ground to bottom of platform height: 58' minimum.		
B. Working height: 63' minimum.		
C. Maximum reach to edge of platform with upper boom working position: 43' at platform height of 27'.		
D. Continuous rotation.		
E. Lower boom articulation: 0 to 125°.		
F. Upper boom articulation: 0 to 270°.		
G. Platform capacity: 400 lbs.		
H. Platform leveling system shall be provided.		
I. Open center full pressure hydraulic system.		
J. Side by side boom stow for low travel height and easy platform access.		
K. Entire aerial unit including outriggers, pedestal, etc. shall be painted DuPont Dulux Omaha Orange Enamel # 93-082 or approved equivalent.		
L. Automatic upper boom stow securing system with support cradle.		
M. 30-gallon hydraulic reservoir with sight and temperature gauge.		
PLATFORM:		
A. Single-man fiberglass platform.		
B. Fixed side-mounted.		
C. Size of platform: 24" x 30" x 42".		
D. Upper control handle with safety lock and interlock guard located on side of platform nearest the upper boom mounted on shaft. Control handle shall be insulated and multi-function type.		
E. One (1) platform step located on the side of platform nearest elbow in the		

stowed position.		
F. Platform cover: 24" x 30" made of soft vinyl with tether strap.		
G. Platform liner: fiberglass platform 24" x 30" x 42" with a 50 kV rating.		
H. Platform floor liner with step: 24" x 30".		
I. Hydraulic tool circuit at platform: Two (2) sets of tool couplers located on the side of the platform nearest the elbow in stowed position.		
ENGINE START/STOP & SECONDARY STOWAGE SYSTEM:		
A. 12 VDC powered motor and pump assembly for temporary operation of the unit in the event the primary hydraulic source fails.		
B. Electric motor shall be powered by chassis battery.		
C. Allows the operator to completely stow the booms, platform, and outriggers.		
D. Secondary stowage and start/stop shall be activated with an air plunger at the platform or momentary switch at the lower control station and outriggers.		
E. Slip ring: required for engine start/stop, secondary stowage system, and throttle control options.		
POWER DISTRIBUTION MODULE:		
A. The power distribution module (PDM), a compact self-contained electronic system shall provide interface with the chassis electrical system.		
OUTRIGGERS:		
A. Primary A-frame type outriggers with a 5° swivel shoe.		
B. Maximum spread: 140".		
C. Ground penetration: 7" to 11".		
D. Outrigger /unit selector valve.		
E. Outrigger control valves shall be located on the outrigger legs.		
F. Outrigger motion alarms.		
G. Outrigger interlocks: shall not allow the unit to be operated until the outriggers have been at least partially deployed.		
H. Hydraulic outrigger control valves.		
FALL PROTECTION SYSTEM:		
A. Provide two (2) body harnesses and decelerating lanyards.		
B. Harnesses shall be adjustable slide buckle on shoulder straps.		
C. Chest straps.		
D. Interlocking buckles on leg straps and web loop fall arrest attachment on back.		
HYDRAULIC ACCESSORIES:		
A. Standard hydraulic oil.		
B. Standard pump for PTO.		
C. Hot shift PTO for automatic transmission.		
BODY:		
A. Bidders must submit with their bid, detailed specifications, dimensions, along with pictures and brochures of their complete unit being bid.		

B. 14.5 cubic yard capacity chipper dump body.		
C. Dimensions: 93" wide x 60" high x 132" long with ladder box and single piece tailgate.		
D. See Specifications: Sketch "NL" shall be attached to tailgate.		
E. Structural channel stringers and floor channel.		
F. 12-gauge minimum floor plate.		
G. 14-gauge minimum sides and front with full length die-formed reinforcing ribs.		
H. 14-gauge roof.		
I. Rear top and sides of body shall be reinforced for lower boom support.		
J. 22½" high tailgate, hinged curb side with a provision to hold open for dumping.		
K. 12-gauge minimum rear under body skirt panel.		
L. Class "C" hydraulic hoist with a 45° dump angle and body prop.		
M. All lighting shall be LED.		
N. There shall be four (4) rear body lights. A minimum of 12 square inch oval amber lights recessed and mounted, one (1) in each top and bottom rear corners. Lights shall be a Whelen Model or approved equivalent and shall consist of 500 Series Lighthouse/01-0664003AO, grommet mount kit/5Grommet, 2 pins and connector kit-waterproof (Deutsch)/W444D, 2 sockets & connector kit-waterproof (Deutsch)/W446D, lights shall be programmed to double pulse flash.		
O. Four (4) rear body lights shall be mounted as far apart as possible and provide a criss-cross pattern by means of component synchronization or vehicle logic programming. Left top to right bottom and right top to left bottom. Electronic or motorized flasher units shall not be an acceptable method. Exact location shall be determined by contacting the NJTA Inspector prior to installation.		
P. Street side built-in ladder compartment: 12" wide x 25" high with rear roller and integral security chain.		
Q. Pole pruner compartment: 11" high above ladder compartment with locking rear door.		
R. Interior of body shall be finished with a scratch and corrosion resistant liner.		
S. Rustproof complete underside of body. The rust proofing material shall be Ziebart, or approved equal. The application of rust proofing material must be done by a facility whose primary business is vehicle and equipment rust proofing. Vendor must supply a written warranty with each unit.		
THRU BOX TOOL COMPARTMENT:		
A. Thru box tool compartment shall be 48" wide x 50" high x 93" long with 26½" deep curb and street side compartments. Diamond tread plate shall be installed on top of thru box and coated with a black non-skid material.		

B. Street side single compartment shall have the following features: <ul style="list-style-type: none"> • Two (2) vertical barn doors. • Left side shall have two (2) fixed shelves. • Right side shall have four (4) unequal transverse compartments open to curb side. • Compartments shall have 1/8" thick minimum rubber shelf liners. 		
C. Curb side single compartment shall have the following features: <ul style="list-style-type: none"> • Two (2) vertical barn style doors. • Left side shall have four (4) unequal transverse compartments open to street side. • Top center shall have two (2) fixed shelves. • Top right shall have six (6) swivel rope hooks (3-0-3). • Compartments shall have 1/8" thick minimum rubber shelf liners. 		
D. Compartments shall have Led rope lighting. Two (2) rocker type backlit switches shall be supplied in cab (one switch shall operate curb side lighting compartment and the other switch shall operate street side lighting compartment).		
E. Bolt-on rotary slam door locks. All locks shall be keyed alike and include four (4) keys per body.		
F. Gas shock door holders.		
G. Finished paint interior of compartments shall be manufacturer's bright white.		
H. Weather stripping shall be installed on all compartments.		
I. Paint: The entire body except for interior body compartments shall be painted DuPont Dulux Omaha Orange Enamel # 93-082 or approved equivalent.		
J. Paint shall be applied in a two-step process with the orange base coat and additional urethane clear coat finish.		
CAB GUARD:		
A. The cab shall be protected by a cab guard assembly with 12-gauge metal, non-skid surface, and expanded metal section at front.		
B. 1 1/4" nominal steel tube frame.		
C. Cab guard front supports.		
D. Curb side cab guard access ladder with two (2) loop grab handles at the top and a cab guard platform entry step 12" x 12" x 16" or stirrup steps.		
E. Cab guard shall in no way interfere with the raising of the hood.		
MISCELLANEOUS ACCESSORIES:		
A. ICC (under ride protection) bumper installed at rear.		
B. Cone holder, horizontal type with vertical pivot (un folds upward) for mounting on front bumper.		
C. Platform rest: rigid with rubber tube.		
D. Outrigger pads: 18" x 18" x 4" reinforced outrigger blocks.		

E. Outrigger pad holders: 6" high x 20" wide x 20" long with retainer snap and chain.		
F. Two (2) wheel chocks and wheel chock holders (holders shall be installed under dump body).		
G. 3-gallon water cask and water cask bracket.		
H. Slope indicator assembly for outriggers.		
I. Sign carrier: 46" long x 22" wide x 6" high.		
J. Outrigger interlock system: transmission shall not be able to be engaged while outriggers are deployed.		
K. Outrigger motion alarm.		
<p>L. Pintle hook:</p> <ul style="list-style-type: none"> • Rear pintle hook and plate shall be installed and include a suitable cotter pin to facilitate locking the release. Cotter pin shall be attached to the pintle hook assembly by means of a light duty chain to prevent its loss. • Properly sized Grade 8 bolts shall be used throughout the installation. • The pintle hook height shall be 26" from ground to center of hook. • A non-metallic weatherproof seven (7) wire trailer socket shall be mounted through the hook plate on the upper left side of the pintle hook and wired to the chassis as outlined in Specifications: 7PTC. Exact location shall be determined by contacting the NJTA Inspector prior to mounting. • The pintle hook (rated at a minimum of 20 tons) shall be attached to the frame plate with Grade 8 bolts in accordance to manufacturer's specification. • An electronic brake controller in addition to the ABS brake controller shall be cab mounted and wired into the seven (7) wire plug as per Specifications: 7PTC. Exact location shall be determined by contacting the NJTA Inspector prior to mounting. • A complete ABS air brake trailer system including a hand valve control and trailer protection valve shall be installed with the exception of the Glad Hands. The Glad Hand outlets on the pintle plate (location to be determined by the NJTA Inspector) shall be plugged to prevent air leakage. The Glad Hands shall be supplied to the Authority separately and not installed. 		
M. Boom/outriggers out of stow light shall be provided and include a 3" diameter "red" light on dash that shall flash when either boom or outriggers are not stowed properly.		
N. Rotating lights (Total of four): Two (2) SAE J845 Class I Ecco Roto LED Beacon, Model 7600A or approved equivalent amber rotating lights shall be mounted on the cab-guard assembly. One above drivers' side and one above passenger's side-location to be determined by NJTA Inspector. Two (2)		

<p>amber rotating lights shall be mounted on top corners of rear body-location to be determined by NJTA Inspector. One (1) switch for all four (4) lights shall be dash mounted and properly labeled. The light switch shall have a green pilot indicator light or the switch shall be illuminated type (lighting up when light is on).</p>		
<p>O. Work lights (Total of four): Betts model 315007 or approved equivalent. Two (2) work lights shall be mounted on the rear of the body and two (2) work lights shall be mounted on the front of the cab guard. Exact locations of all four (4) work lights shall be determined by the NJTA Inspector prior to mounting. One (1) switch located in the cab shall operate all four (4) work lights. However, all four (4) work lights shall have an independent weatherproof toggle switch on each work light to allow to be operated separately.</p>		
<p>MANUALS:</p>		
<p>A. The following manuals shall be supplied at time of delivery for each aerial unit ordered: Operating-2 Maintenance-1 Parts-1</p>		

**SPECIFICATIONS: 7PTC
7-POLE TRAILER CONNECTORS ON TRUCKS AND TRAILERS**

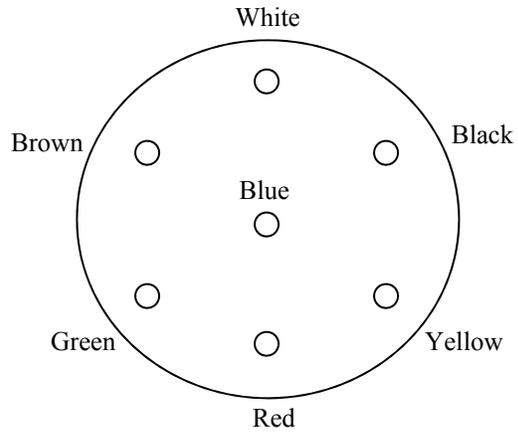
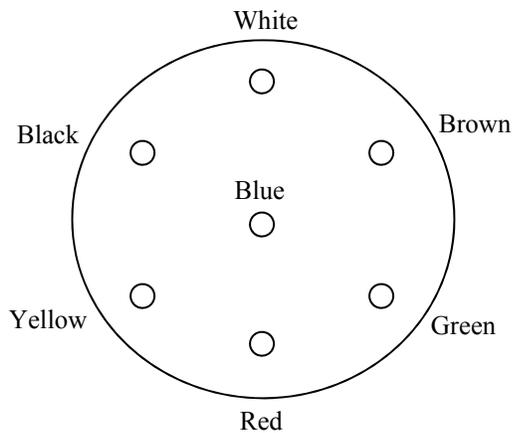
CONNECTOR MARKING COLOR

APPLICATION

WHITE.....	GROUND
BLACK.....	TAIL LIGHT
BROWN.....	TAIL LIGHT
YELLOW.....	LEFT TURN SIGNAL
GREEN.....	RIGHT TURN SIGNAL
RED.....	ELECTRIC BRAKE
BLUE.....	12-VOLT BATTERY- WITH 30-AMP AUTOMATIC BIMETAL THERMAL RESET CIRCUIT PROTECTION.

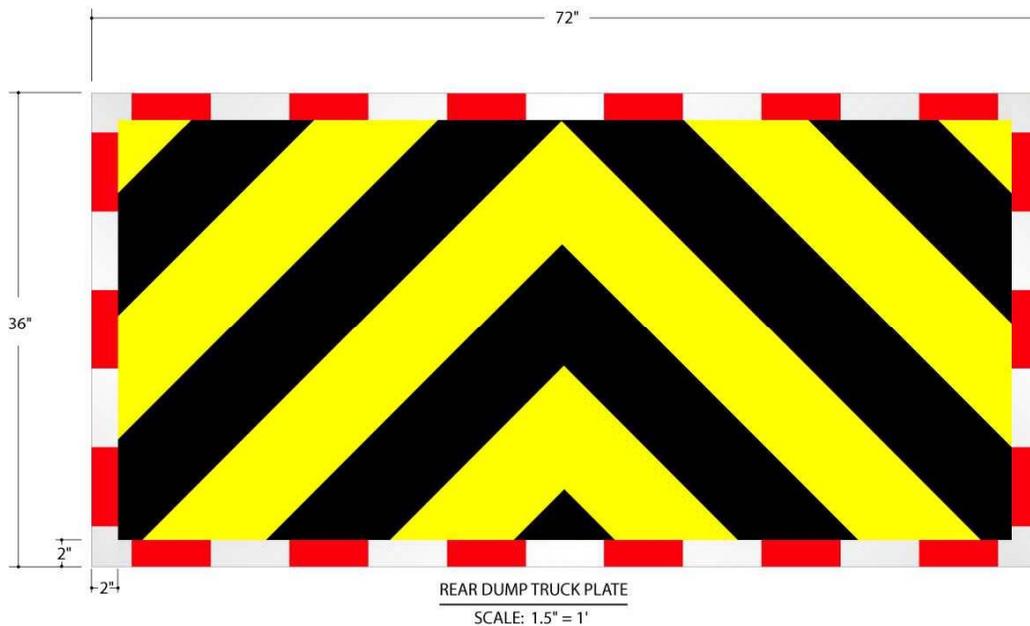
SOCKET MARKINGS

PLUG MARKINGS



SPECIFICATIONS: SKETCH "NL"

1. All stripes will be six (6) inches wide, forty-five (45) degrees from vertical.
 - a. The yellow stripes shall be Diamond Grade Fluorescent Yellow VIP Reflective Sheeting-3981, pressure sensitive or approved equivalent.
 - b. The black stripes shall be Scotchal 3650-12, pressure sensitive or approved equivalent.
2. There shall be a Diamond Grade Conspicuity Marking 981-326, Red 6", White 6" both 2" high, surrounding the top, bottom, and both sides of the stripes, pressure sensitive or approved equivalent.
3. A striping plate of 1/8" aluminum shall be used (unless otherwise specified) that shall be striped and riveted (1/4" diameter rivets) to tailgate. (Dimensions below are approximate).
4. The entire rear of the truck body shall be fully covered without covering any lights or accessories. Exact size of stripe plate shall be determined by contacting the NJTA Inspector prior to fabrication and mounting.
5. All materials shall be manufactured and applied as approved by the manufacturer.



SERVICE PARTS IDENTIFICATION FORM

List All Applicable Preventative Maintenance Items:			
Private label part number identification shall not be acceptable. A common automotive industry recognizable identification capable of cross referencing with manufactures such as Fram, Hastings, Purolator, Wix, etc. shall only be accepted.			
	Required Amount	OEM Part #	After Market Part #
Engine Group:			
Primary Oil Filter			
Secondary Oil Filter			
Air Filter			
Other			
Primary Fuel Filter			
Secondary Fuel Filter			
Water/Fuel Separator			
Coolant Filter			
Other			
Ignition Group:			
Spark Plug			
Spark Plug Wires			
Other			
Other			
Emissions Group:			
PCV Valve			
Other			
Drive Train Group:			
Transmission Primary Filter			
Transmission Secondary Filter			
Axle Housing Breather			
Other			
Brake Group:			
Compressor Intake Filter			
Air Dryer Desiccant			
Power Take Off Group:			
Hydraulic Filter			
Breather Filter			
Other			
Miscellaneous:			
Left Windshield Wiper			
Right Windshield Wiper			
Rear Windshield Wiper			
Cab Ventilation Filter			

FAILURE TO COMPLETE ALL AREAS MAY RESULT IN REJECTION OF BID

UNIT INFORMATION FORM

(Must be submitted by vendor with bid documents)

TRUCK CHASSIS:

YEAR: _____ MAKE: _____ MODEL: _____

ENGINE MAKE: _____

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

ALTERNATOR MAKE: _____ MODEL: _____

AMPS: _____

BATTERY VOLTS/AMPS: _____

C.C.A. @ 0° F: _____

TRANSMISSION MAKE: _____

MODEL: _____

FUEL TANK CAPACITY: _____ GALLONS

BACK-UP ALARM MAKE: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

BODY:

DESCRIPTION: _____

YEAR: _____ MAKE: _____ MODEL: _____

INSTALLER: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

AERIAL UNIT:

YEAR: _____ MAKE: _____ MODEL: _____

WORKING HEIGHT: _____

RATED BUCKET CAPACITY: _____ LBS.

SIZE OF BUCKET: _____

MAXIMUM OUTRIGGER SPREAD _____ INCHES

INSTALLER: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

WORK LIGHTS:

YEAR: _____ MAKE: _____ MODEL: _____

INSTALLER: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

ROTATOR LIGHTS:

YEAR: _____ MAKE: _____ MODEL: _____

INSTALLER: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

REAR BODY LIGHTS:

YEAR: _____ MAKE: _____ MODEL: _____

INSTALLER: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

