

**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: CATCH BASIN / SEWER CLEANING VEHICLE**

**BID NO: R-99160**

**DUE DATE: April 9, 2013**

**TIME: 1:30 PM**

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

**BIDDER INFORMATION (PLEASE PRINT)**

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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.

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\_\_\_\_\_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
  - (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**

Sealed Bid R-99160 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) CATCH BASIN / SEWER CLEANING VEHICLE**. 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.

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

**BID PRICE FORM**

<b>ITEM</b>	<b>QUAN.</b>	<b>UNIT OF MEAS.</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL BID PRICE</b>
1	1	Each	<b>CATCH BASIN / SEWER CLEANING VEHICLE, AS PER ATTACHED SPECIFICATIONS.</b>	\$	\$

**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-99160**

**BID TITLE: CATCH BASIN / SEWER CLEANING VEHICLE**

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-99160**

**BID TITLE: CATCH BASIN / SEWER CLEANING VEHICLE**

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: CATCH BASIN/SEWER CLEANING VEHICLE

Quantity	Description	Maximum Delivery Date
1	9-Cubic Yard Capacity Combination Catch Basin/Sewer Cleaning Vehicle And Accessories	180 Days After Receipt of Order

### SPECIFICATIONS: CBSCV-2013 CATCH BASIN/SEWER CLEANING VEHICLE

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](http://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](mailto: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 one hundred eighty (180) 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 \$384.80 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 two (2) years 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 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: CBSCV-2013  
CATCH BASIN/SEWER CLEANING VEHICLE**

**INTENT:** The intent of this specification is to describe and govern the purchase of a new current model, nine (9) cubic yard **minimum** debris capacity catch basin/sewer cleaning vehicle. Unit shall be capable of high-pressure water cleaning of sanitary sewer or storm sewer drain lines, while simultaneously removing debris from a manhole or catch basin with an air compressor vacuum system.

**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.**

<b>GENERAL:</b>	<b>COMPLY</b>	
	<b>YES</b>	<b>NO</b>
A. Unit shall be a nine (9) cubic yard <b>minimum</b> debris capacity catch basin/sewer cleaning vehicle.		
B. The 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. <b>NO EXCEPTIONS</b>		
D. Bidders must submit with their bid, detailed specifications, along with pictures and brochures of their unit being bid. <b>NO EXCEPTIONS</b>		
E. Apparatus shall be capable of removing stones, grit, grease, sludge, and other debris from sanitary sewer and/or storm drain lines by the flushing action of high-pressure water.		
F. The high-pressure sewer cleaner shall operate independent of the vacuum system.		
G. The equipment shall include an air conveying vacuum system to provide for simultaneous removal of the debris flushed to the manhole by the high-pressure water system or for the removal of debris from sewers, sumps, catch basins, digesters, wet wells, bar screens, etc.		
H. The unit shall be capable of being operated by a single individual with all		

operating controls for high-pressure water, hose reel, and vacuum located at the front of the apparatus for operator safety.		
<b>BODY:</b>		
A. The debris storage body shall have a <b>minimum</b> usable liquid capacity of nine (9) cubic yards.		
B. The body shall be rounded for maximum strength and constructed of at least 3/16" Corten steel, Exten steel or an approved equivalent steel to prevent corrosion.		
C. For easy dumping and cleaning, the rear door shall be a full opening type, hinged at the top.		
D. The entire rear door area of the debris tank shall be covered with reflective striping. Stripes shall be 6" wide at 45° from vertical. Yellow stripes shall be Diamond Grade Fluorescent VIP Reflective Sheeting-3981, pressure sensitive. Black stripes shall be Scotchcal 3650-12, pressure sensitive. See Specifications: Sketch "NL".		
E. Diamond Grade Marking 981-326, red 6", white 6" both 2" high shall be attached to both lower sides of the body from front to rear.		
F. 3" diameter D.O.T. approved reflectors shall be attached to each lower corner of the body.		
G. Debris body rear door shall be equipped with a minimum 6" diameter liquid drain for removing excess liquid. The drain shall have a knife type valve with 10' of lay-flat hose with hanger.		
H. The debris body rear door shall have externally mounted door locks that hydraulically lock and unlock. The hydraulic locks shall be controlled by a hydraulic cylinder externally mounted for ease of service. Locks shall be fully adjustable. A manual "T" bolt or fail safe system shall be installed for operator safety. No hydraulic components shall be located inside of debris body.		
I. Debris body rear door shall open and close hydraulically to 90°. A debris deflector shield shall be located inside the debris tank that shall encompass 75% of the rear door.		
J. Gravity drain system shall be plumbed to the passenger side of truck in order to discharge liquids from debris tank without moving truck.		
K. The unit shall be equipped with a long handle storage tube mounted on the subframe and include a 12' one-piece spoon style shovel.		
L. Both a rear door safety prop and debris body safety prop shall be provided.		
M. A float device with exterior indicator shall be provided to show when the body is loaded to capacity. A "full" indication shall activate a vacuum /breaker shutdown system that shall completely shut down air flow to vacuum system to prevent body over filling and waste water discharge. <b>NO EXCEPTIONS</b>		
N. Vacuum breaker system shall completely eliminate any waste water from entering vacuum system while being driven. Vacuum breaker systems that can maintain a positive seal without the vacuum system running shall be		

provided. The system must shut down 100% of airflow to the vacuum system.		
O. A double acting power up/power down dump mechanism shall be provided to raise body to a minimum of a 50° angle by a single cylinder. Lift device shall be designed to support a minimum 24" of debris tank width to provide stability when dumping on uneven ground. Lift cylinder shall have a lift capacity of at least 55,000 lbs.		
P. Dump controls shall be located on the curbside of the unit, well forward of the dumping area. A manual override system shall be provided in the event of system failure.		
Q. A high-pressure jetted flush out system for the debris tank shall be provided.		
R. There shall be a ground level remote debris tank grease assembly. The assembly shall provide a central grease point from which an operator can grease all points underneath the tank and on top of the tank.		
<b>BODY/SUBFRAME ASSEMBLY:</b>		
A. The auxiliary engine, water pump, vacuum compressor, debris body, and boom support assembly shall be mounted to a single unitized welded subframe, which shall be bolted to the truck chassis frame.		
B. The subframe shall be independent of the water tank to eliminate possible stress cracking of the water tank.		
<b>WATER SUPPLY:</b>		
A. The water tanks shall have a minimum usable capacity of 1,000 gallons.		
B. The water tanks shall be constructed of non-corrosive material to eliminate rust and corrosion.		
C. The water tanks shall be mounted on or below truck frame level in order to provide a low center of gravity for truck stability.		
D. 15" long x 2" wide ventilated Alcoa Diamond Back or approved equivalent steps shall be bolted on both sides of vehicle (two (2) steps each side). Exact location shall be determined by contacting the NJTA Inspector prior to mounting.		
E. 2½" diameter, 25' long hydrant hose shall be installed on unit.		
F. An anti-siphon device shall be installed on unit.		
G. Quick removal hatches shall be provided on all water tanks for flush outs, fill tanks, or add chemicals to the water tank.		
H. A sight gauge to indicate water level shall be located within sight of the operator station.		
I. The water tanks shall be protected by a minimum of 11-gauge steel plating mounted below the tanks for protection.		
J. A winter re-circulating system shall be provided. System shall be capable of at least 50 gpm pump flow when at idle or at speeds to 55 mph without the need to over speed the water pump or for PTO or additional pumps to re-circulate the water. The auxiliary engine shall be direct coupled to the water pump to provide full flow and full pressure.		
K. An air purge system utilizing the chassis air system shall be provided for		

the de-watering of pump lines during the winter.		
L. 2½" water drain gate valve assembly shall be supplied for fully draining water tanks.		
M. A low water alarm with light shall be provided.		
<b>HIGH-PRESSURE WATER PUMP:</b>		
A. The high-pressure jetting system shall be rated for continuous flow and minimum pressure of 50 gpm at a minimum of 3,000 psi.		
B. The water pump shall provide continuous smooth water pressure and water flow, and the ability to run dry without damage.		
C. The cover section of the end gear case shall be easily removable for inspection.		
D. Controls for starting/stopping pump, and for varying the flow and pressure shall be on the hose reel at the operator's station in front of the vehicle.		
E. The high-pressure water pump shall be rated to deliver smooth continuous pressure and flow through the entire flow range of the pump, jet hose, hand gun hose, and flush out.		
F. High-pressure relief valves shall be provided for both the high-pressure system and handgun.		
G. The water pump shall operate independently of the vacuum system.		
H. The high-pressure water pump shall be equipped with a cold weather drain valve. The valve shall allow the operator to completely drain the high-pressure pump.		
<b>CENTRIFUGAL FAN COMPRESSOR:</b>		
A. The centrifugal compressor fan system shall be capable of producing 90% vacuum with no air flow.		
B. The system shall be capable of vacuuming under water. Fan shall be able to produce 3,600 cfm at 200" without special attachments.		
C. A control for start, stop, and varying the vacuum suction shall be provided at the operator's station at the front of the truck.		
D. The compressor shall be mounted on a frame, which shall be independent of the water tank.		
E. A centrifugal separator located in the inlet chamber to the fans with clean-out box shall be provided. (Separator shall be separate from the debris body)		
<b>POWER SYSTEM:</b>		
A. The shrouded auxiliary engine driving the water pump shall be a heavy-duty industrial, diesel-powered, turbo-charged liquid cooled engine.		
B. Engine shall be a minimum 235 cubic inch displacement and rated gross horsepower of 130 @ 2,500 rpm.		
C. The engine shall have a radian mounting system designed for side load applications.		
D. All gauges shall be located on the driver's side of the unit and shall include the following: <ul style="list-style-type: none"> <li>• Tachometer</li> <li>• Oil pressure warning light</li> </ul>		

<ul style="list-style-type: none"> <li>• Water temperature warning light</li> <li>• Hour meter</li> </ul>		
E. Engine shall come equipped with an automatic safety shutdown for oil pressure and high water temperature, and exhaust silencer.		
F. Control panel shall be mounted on isolated mounts.		
G. Operator shall be able to check fluids from ground level.		
H. Auxiliary engine start/stop control shall be located at the operator's station for ease and safety.		
I. Auxiliary engine shall have a remote oil drain.		
<b>BLOWER DRIVE:</b>		
A. Compressor shall operate independently of the high pressure water system and be powered by the truck chassis engine or auxiliary engine.		
B. Blower shall be capable of developing a vacuum of 200" of water.		
C. Blower shall meet all State and Federal Noise Regulations for this type of unit.		
<b>VACUUM SYSTEM PICK-UP HOSE:</b>		
A. Vacuum system shall be front loading, attached at the front of the apparatus to provide ease of positioning the apparatus over the manhole while also affording safety to the operator.		
B. An 8" diameter hose shall be mounted to the boom, which shall provide a minimum of 18' vertical lift.		
C. Boom rotation shall be a minimum of 180° powered hydraulically by a gear rotation for non-interrupted smooth movement.		
D. Boom shall have a lift capacity at the front bumper of at least 500 lbs.		
E. The entire conveying system, from nozzle to debris body shall be an 8" inside diameter.		
F. The boom shall be powered hydraulically: <ul style="list-style-type: none"> <li>• Up</li> <li>• Down</li> <li>• Left</li> <li>• Right</li> </ul>		
G. The vacuum hose shall be rubber 8" at upper and lower ends with a fixed steel elbow for wear.		
H. Control of the boom shall be by means of a full function joystick control at the operator station.		
I. Pipe extensions to clean 20' basins shall be provided with storage area on the truck and include the following: <ul style="list-style-type: none"> <li>• One (1) 6.5' nozzle</li> <li>• One (1) 5' nozzle</li> <li>• One (1) 3' aluminum pipe extensions with quick-action hose clamps.</li> </ul>		
J. Boom tie down with lock shall be supplied to keep boom in a stationary position when in transit.		
K. Minimum 10' telescoping boom, constructed of aluminum shall be supplied. Boom shall telescope a <b>minimum</b> of 10' straight forward from a		

fully retracted position. Extensions to lengthen boom shall not be acceptable.		
L. There shall be a 6-way boom pendant assembly provided: <ul style="list-style-type: none"> <li>• Up</li> <li>• Down</li> <li>• Left</li> <li>• Right</li> <li>• In</li> <li>• Out</li> </ul>		
M. A heavy-duty steel elbow shall be affixed to the end of the boom.		
N. Supply a remote boom grease assembly (ground level), which shall provide a central point to grease bottom fittings from the ground.		
<b>JET-RODDER HOSE REEL ASSEMBLY:</b>		
A. Hose reel assembly shall be mounted on the front of the vehicle.		
B. Hose reel shall be a <b>minimum</b> of 30" diameter with a capacity for 800' of ¾" hose.		
C. Hose reel shall be hydraulically powered in both directions.		
D. Controls for operating the motor, incorporating a flow control device to regulate the rotational speed for the reel in both directions shall be provided.		
E. All hydraulic hoses shall be located behind a steel housing to protect operator.		
F. The hose reel shall hydraulically articulate 180° allowing operator to work in any position through this arc. It shall also allow the operator to check fluids without tilting the hose reel.		
G. The reel shall include an outrigger if necessary, that shall hydraulically drop to any one position across its operating range for structural stability. A 3" diameter warning light shall be located on the dashboard in clear view for the operator to warn him that the outrigger is not in its transport position prior to moving the vehicle.		
H. Reel shall include a hose tie down to properly secure the hose during transport.		
I. Hose footage counter with tensioning device shall be provided.		
J. Hose level wind guide with dual rollers shall be provided.		
K. The following controls shall be located at the operator's station: <ul style="list-style-type: none"> <li>• Hose reel swing switch</li> <li>• Outrigger leg switch (if applicable)</li> <li>• Hose reel control valve</li> <li>• Manual swing bypass valve</li> <li>• Hose reel rotation and speed control</li> <li>• Water pump control valve</li> <li>• Handgun control valve</li> <li>• Vacuum engine electric throttle</li> <li>• Vacuum engine rpm gauge</li> <li>• Auxiliary engine start/stop</li> <li>• Auxiliary engine electric throttle</li> </ul>		

<ul style="list-style-type: none"> <li>• High-pressure water gauge</li> <li>• Joystick boom control</li> <li>• Boom remote pendant plug-in</li> <li>• Vacuum breaker controls on control panel</li> <li>• 12-volt accessory plugs</li> </ul>		
<b>JET HOSE:</b>		
A. 600' of ¾" high-pressure jet hose, rated for a minimum of 3,000 psi working pressure and a minimum of 7,500 burst pressure shall be provided.		
B. 10' long psi leader hose shall be supplied.		
C. Heavy-duty hose guide with 25' of nylon rope shall be provided.		
<b>MANHOLE CLEANING WATER SYSTEM HANDGUN:</b>		
A. The high-pressure (Jet-Rodder) pump and independent water tank assembly furnished for the rodding system shall be used for manhole cleaning.		
B. A handgun with a minimum of 20 gpm and a maximum of 700 psi shall be provided.		
C. One (1) full functioning hand gun with on/off handle, replaceable nozzle tip, 1' extension, quick-attach coupling and 50' of ½" high-pressure hose shall be provided on a heavy-duty spring loaded retractable hose reel mounted on boom frame with tilt-up bracket.		
<b>LIGHTS:</b>		
A. Hand held spotlight having a 20' cord shall be provided.		
B. Boom mounted work lights with limb guards shall be provided.		
C. Programmable warning light, Whelen Dominator Model D800800NJTA or approved equivalent shall be mounted on the rear upper section of the debris body. Exact location shall be determined by contacting the NJTA Inspector prior to mounting.		
D. Install two (2) Whelen 900 Series Super-LED Model 90AAFAR or approved equivalent. Location of lights shall be mounted on rear of the truck. Exact location shall be determined by contacting the NJTA Inspector prior to mounting.		
E. Install four (4) Whelen Series Super-LED Model TIR6 or approved equivalent 4" round amber lights. Location of lights shall be mounted on rear of the truck. Exact location shall be determined by contacting the NJTA Inspector prior to mounting.		
F. Install two (2) amber lense LED rotators, Class I Arrow Model # 580-00-1 or approved equivalent. Mounting locations shall be determined by contacting the NJTA Inspector prior to mounting.		
G. All warning lights (on/off) shall be operated by one (1) back-lighted rocker type toggle switch.		
<b>MISCELLANEOUS:</b>		
A. Lazy Susan or spring assisted folding pipe rack, which shall hold four (4) 8" pipes (mounted on driver's side) shall be provided to allow operator to retrieve and store pipes from ground level.		
B. Two (2) 36" x 12" x 24" sealed, locking tool boxes shall be provided (one		

on each side of unit with dry decking on all shelves).		
C. 16" wide x 42" high x 96" long, sealed, locking storage box shall be provided behind cab with dry decking and doors on both ends.		
D. Hydrant wrench shall be provided.		
E. Cone storage rack shall be provided on the rear of the subframe.		
F. Nozzle rack shall be mounted in the curbside tool box.		
G. High-performance ¾" nozzle kit including four (4) nozzles with fluid mechanics, ceramic inserts shall be provided. Nozzles shall be supplied in a foam carrying case and include: <ul style="list-style-type: none"> <li>• Rambo penetrator nozzle with drill point</li> <li>• 4.5 lb. cleaning nozzle for 6" to 12" pipes</li> <li>• Torpedo nozzle for 12" to 40" pipes</li> <li>• Traction nozzle with forward jet for 3" to 8" pipes</li> <li>• Tube style pipe extension</li> </ul>		
H. An 8" x 12" air regulator vacuum tube shall be provided with quick clamp.		
I. Provide a lift hook assembly for removing catch basin grates that shall mount to the boom including all necessary attachments and cables.		
J. All safety and maintenance decals shall be affixed to unit.		
<b>PAINT:</b>		
A. 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.		
<b>MANUALS:</b>		
A. The following manuals for the catch basin/sewer cleaning section shall be supplied at time of delivery for each unit ordered: <ul style="list-style-type: none"> <li>• Operating-2</li> <li>• Parts-1</li> <li>• Repair-1</li> <li>• Maintenance-1</li> </ul>		
<b>WARRANTY:</b>		
A. Water tank shall be warranted for a period of at least ten (10) years against rust or cracking from date of acceptance by the NJTA.		
B. The centrifugal fan and debris body shall be warranted for a period of at least five (5) years from date of acceptance by the NJTA.		
<b>TRUCK CHASSIS:</b>		
A. 2013 or new current model International Model 7400 or approved equivalent with set forward axle.		
B. 46,000 lbs. minimum G.V.W.R.		
C. Wheelbase: 244".		
D. Cab to axle: 169".		
E. Chassis shall be a 4 x 2, 6-wheel configuration.		
<b>ENGINE:</b>		
A. 6-cylinder, Maxforce 10 or approved equivalent diesel engine.		

B. 570 cubic inch <b>minimum</b> turbo-charged diesel engine.		
C. <b>Minimum</b> horsepower 310 hp @ 2,200 rpm.		
D. <b>Minimum</b> 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 protected to a minimum of -40° F.		
I. Cooling system shall have Ethylene Propylene Diene Monomer (EPDM) hoses with constant torque heat shrink radiator 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 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.		
<b>TRANSMISSION:</b>		
A. Provide 6-speed (6-forward, 1-reverse) Allison automatic transmission Model 3000RDS or approved equivalent with PTO opening, complete with oil cooler, oil level sensor and temperature gauge in cab.		
B. Synthetic transmission fluid shall be used and installed by OEM.		
C. Dash-mounted push button shift control.		
D. Transmission shall be programmed for sewer vacuum application.		
<b>ELECTRICAL:</b>		
A. Leece-Neville BLP2309 or approved equivalent 160-amp pad-mounted alternator.		
B. Three (3) 12-volt 1950 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 for troubleshooting.		
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. Dual electric horns and single trumpet air horn shall be supplied.		
M. AM/FM stereo with weather band clock, auxiliary input and speakers.		
N. 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.		
O. Provide a programmable and electrically integrated dash-mounted toggle switch for work lights.		
P. Install a Preco 45-AA or approved equivalent back-up alarm.		
Q. Splicing into electrical system shall not be allowed.		
<b>AXLE /SUSPENSION:</b>		
A. Minimum capacity 26,000 lbs.		
B. Transmission and axle ratio shall achieve cruise speed of 65 mph at 90% of engine governed speed.		
C. Rear suspension 31,000 lbs. capacity with multi-leaf auxiliary spring's 4,500 lbs. capacity.		
D. Front axle capacity shall be 20,000 lbs. minimum.		
E. Front taper-leaf springs capacity shall be 20,000 lbs. minimum.		
F. Front axle shall have heavy-duty shock absorbers.		
G. Front axle shall have oil lubricated wheel bearings and seals.		
<b>FRAME:</b>		
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. Main frame rails shall be 10.125" x 3.580" x 0.312" minimum straight full channel.		
C. Outer frame rail reinforcement shall be 10.813" x 3.892" minimum heat treated alloy steel C-channel with 120,000 psi minimum yield.		
D. Frame shall have 3,806,400 RBM (Resisting Bending Movement) minimum.		
E. Exclude front bumper and include two (2) front frame mounted tow hooks.		
<b>STEERING:</b>		
A. Supply two (2) heavy-duty steering boxes, gear driven with hydraulic power assist.		
B. Multi-position tilting steering column shall be provided.		
C. Steering wheel mounted controls shall include: <ul style="list-style-type: none"> <li>• Electric horn</li> <li>• PTO</li> </ul>		

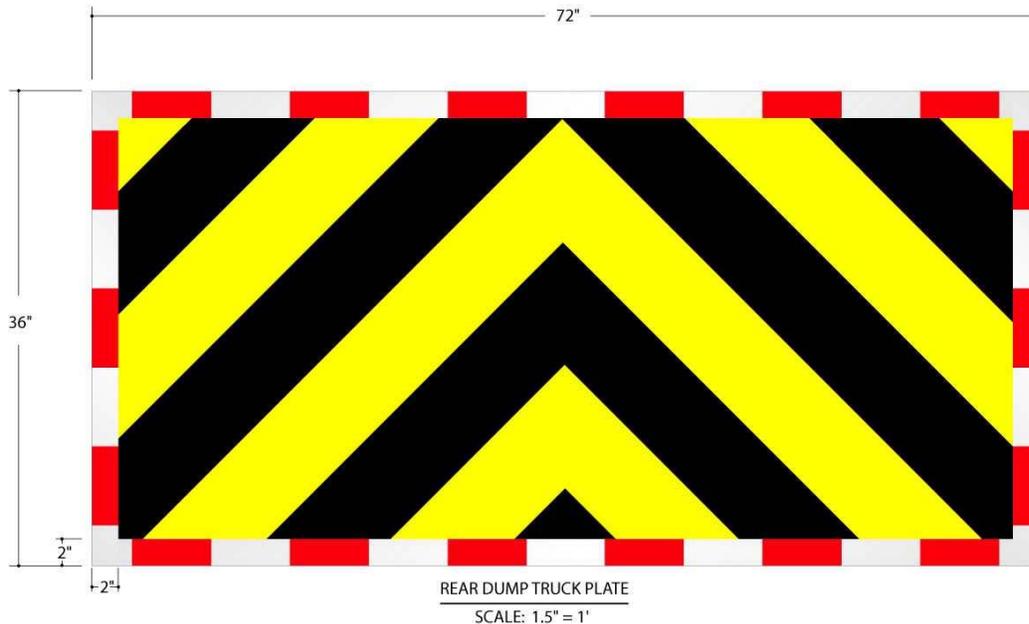
<ul style="list-style-type: none"> <li>• Cruise control</li> <li>• Air horn</li> </ul>		
<b>FUEL TANK:</b>		
A. Provide a 100-gallon aluminum step-type fuel tank.		
B. Fuel tank shall be lettered in 1" high green letters <b>“DIESEL FUEL ONLY”</b> .		
<b>WHEELS/TIRES:</b>		
A. Front and rear steel disc wheels painted white.		
B. 425/65R22.5, 20-ply Goodyear G-286A or approved equivalent radial front tires.		
C. 12R22.5, 16-ply Goodyear G-282 M+S or approved equivalent radial rear tires.		
D. Supply rear mud flaps-plain black color. (No Advertisements)		
<b>BRAKES:</b>		
A. Provide dual air brake system.		
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.		
<b>CAB:</b>		
A. Cab shall be galvanized steel.		
B. Cab shall include all standard items and the following: <ul style="list-style-type: none"> <li>• Complete gauges</li> <li>• Dual air pressure gauges with low pressure warning alarm</li> <li>• Voltmeter</li> <li>• Tachometer</li> <li>• Engine hour meter</li> <li>• Warning light and buzzer for engine low oil pressure</li> <li>• Warning light and buzzer for engine high coolant temperature</li> </ul>		
C. Interior cab color shall be heavy-duty dark gray.		
D. HVAC system shall include heater, defroster, air conditioning (a/c shall have self-diagnostics features with dash displayed fault codes).		
E. Supply two (2) exterior heated power adjustable west coast style mirrors with heated convex spot mirrors. Mirrors shall be stainless steel “C” type breakaway mounting bracket.		
F. Two (2) grab handles interior mounted. One (1) extra-long chrome grab handle with rubber insert-driver’s side only-exterior mounted.		
G. Full suspension high back air operated driver’s seat covered in heavy-duty vinyl including lumbar support and inboard armrest and three-point seatbelt.		
H. 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.		
I. Vent windows.		
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. Complete cab and body lighting shall comply with all State and Federal Regulations.		
O. All glass shall be tinted safety glass.		
P. Hood shall be forward tilting.		
Q. Provide dual sun visors.		
R. Air bag type rear cab suspension.		
<b>MISCELLANEOUS:</b>		
A. Provide in the cab a dry chemical 5 lb. "UL" listed fire extinguisher suitable for ABC class fires.		
B. Triangle reflector kit shall be provided in cab.		
<b>PAINT:</b>		
A. All metal parts shall have the mill scale and oil removed by means of a high-pressure chemical cleaner prior to painting.		
B. All frame, running gear, and top of hood shall be painted flat black.		
C. Cab shall be painted with DuPont Dulux Omaha Orange Enamel # 93-082 or approved equivalent.		
D. Paint shall be applied in a two-step process with the orange base coat and additional urethane clear coat finish.		
<b>MANUALS:</b>		
A. Provide factory service manuals in either CD's or DVD's, which cover the truck chassis, engine, transmission, air-brake system, and other components installed for each vehicle ordered.		
B. A detailed schematic and description of any body hydraulics, electrical and other components not installed by chassis manufacturer shall be provided 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: <ul style="list-style-type: none"> <li>• Operation-2</li> <li>• Maintenance-1</li> <li>• Repair-1</li> <li>• Parts-1</li> <li>• Electrical-1</li> <li>• Emissions-1</li> </ul>		
D. Factory diagnostic and repair software interface, including all necessary cabling and connectors for a laptop computer shall be supplied.		

<b>WARRANTY:</b>		
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 New Jersey Turnpike Authority.		
<b>PROVISIONS:</b>		
A. Vehicles in this bid package shall <b>not</b> be used as lead vehicles in transporting (piggybacking) other vehicles and/or equipment.		
B. Vendor <b>must</b> also show written proof that these vehicles were not used as lead vehicles.		
C. Mileage on the odometer for each vehicle <b>must</b> not exceed 400 miles (mileage warranties shall be adjusted accordingly from odometer, at time of acceptance of these vehicles by the NJTA).		
D. Vendor shall show written proof of the adjusted/extended warranty at time of delivery.		
E. Vendors shall <b>not</b> be allowed to use vehicles in any type of shows, conventions, brochures, etc. without prior written consent of the New Jersey Turnpike Authority.		

## 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 VIP Reflective Sheeting-3981, pressure sensitive.
  - b. The black stripes shall be Scotchcal 3650-12, pressure sensitive.
2. The entire rear of the truck body shall be fully covered without covering any lights or accessories. Exact size shall be determined by contacting the NJTA Inspector prior to and mounting.
3. All materials shall be manufactured by and applied as approved by the Minnesota Mining Company (3M Company).



**NOTE: RED/WHITE CONSPICUITY STRIPING SHALL NOT BE USED ON REAR OF DEBRIS TANK BODY.**

## SERVICE PARTS IDENTIFICATION FORM

<b>List All Applicable Preventative Maintenance Items:</b>			
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.			
	<b>Required Amount</b>	<b>OEM Part #</b>	<b>After Market Part #</b>
<b>Engine Group:</b>			
Primary Oil Filter			
Secondary Oil Filter			
Air Filter			
Other			
Primary Fuel Filter			
Secondary Fuel Filter			
Water/Fuel Separator			
Coolant Filter			
Other			
<b>Ignition Group:</b>			
Spark Plug			
Spark Plug Wires			
Other			
Other			
<b>Emissions Group:</b>			
PCV Valve			
Other			
<b>Drive Train Group:</b>			
Transmission Primary Filter			
Transmission Secondary Filter			
Axle Housing Breather			
Other			
<b>Brake Group:</b>			
Compressor Intake Filter			
Air Dryer Desiccant			
<b>Power Take Off Group:</b>			
Hydraulic Filter			
Breather Filter			
Other			
<b>Miscellaneous:</b>			

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)**

**I. 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: \_\_\_\_\_

BACK-UP ALARM MAKE: \_\_\_\_\_

SERVICING  
AGENCY: \_\_\_\_\_

LOCATED AT: \_\_\_\_\_

TELEPHONE #: \_\_\_\_\_

CONTACT: \_\_\_\_\_

Name & Title

**II. BODY:**

DESCRIPTION: \_\_\_\_\_

YEAR: \_\_\_\_\_ MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_

DEBRIS TANK CAPACITY: \_\_\_\_\_ CUBIC YARDS

INSTALLER: \_\_\_\_\_

SERVICING

AGENCY: \_\_\_\_\_

LOCATED AT: \_\_\_\_\_

TELEPHONE #: \_\_\_\_\_

CONTACT: \_\_\_\_\_

Name & Title

**III. AUXILIARY ENGINE:**

YEAR: \_\_\_\_\_ MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_

CID: \_\_\_\_\_ HP: \_\_\_\_\_ @ \_\_\_\_\_ RPM

INSTALLER: \_\_\_\_\_

SERVICING

AGENCY: \_\_\_\_\_

LOCATED AT: \_\_\_\_\_

TELEPHONE #: \_\_\_\_\_

CONTACT: \_\_\_\_\_

Name & Title

