



*John P. Kelly, Director
Frank Sadeghi, Deputy Director
Robert S. Arace, Commissioner
Jennifer Bacchione, Commissioner
Virginia E. Haines, Commissioner*

Jennifer L. Bowens, Purchasing Agent

*County of Ocean
Administration Building
101 Hooper Avenue
Toms River, NJ 08754*

BID

MOTOR VEHICLE: ROLLOFF TRUCK WITH CRANE NO. II

2025

ADVERTISEMENT DATE: November 5, 2025

OPENING: November 25, 2025, 11:00 am

Bid Category: 04- Automotive Products, Vehicles and Services

Notice to Bidders

NOTICE IS HEREBY GIVEN that sealed bids for the furnishing and delivery of **MOTOR VEHICLE: ROLLOFF TRUCK WITH CRANE NO. II** for the County of Ocean, will be received by the Purchasing Agent of the County of Ocean on **Tuesday, November 25, 2025** at **11:00 am**, prevailing time.

Bids will be received electronically via the County's Online Procurement Portal. Specifications are available on the Procurement Portal or for viewing only, in the Department of Purchase, Room #224, Administration Building, 101 Hooper Avenue, Toms River, New Jersey. Direct all inquiries to Jennifer L. Bowens, Purchasing Agent.

Bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et seq. and P.L. 1975 C. 127 (N.J.A.C. 17:27-1 et seq.) regarding equal employment opportunities and with the requirements of P.L. 1977 C.33 regarding corporate and/or partnership ownership.

The right to reject any and all bids is reserved in accordance with applicable law.

By order of the Board of Commissioners of the County of Ocean.

Signed:

JOHN P. KELLY, Director

JENNIFER L. BOWENS, Purchasing Agent

Contact Information and Project Timeline

Summary

The purpose of this bid package is to provide the County of Ocean with a Contractor who will supply the materials or services described and specified herein.

Contact Information

For further information regarding these specifications, contact

Jessica Hannold

Assistant Purchasing Agent

Email: jhannold@co.ocean.nj.us

Phone: [\(732\) 929-2103](tel:(732)929-2103)

Department:

Vehicle Services

Timeline

Advertising Date	November 5, 2025
Bid Opening Date	November 25, 2025, 11:00am Administration Building, 101 Hooper Ave., Room 119, Toms River, NJ, 08753

Important Instructions for Electronic Submittal

Instructions for Electronic Bid Submission

The County is accepting electronic bid submissions with Open Gov by following these instructions:

Sign up for a FREE account at <https://procurement.opengov.com/portal/oceancounty>

Once you have completed account registration, browse back to this page: [County's OpenGov Electronic Bid Portal \(https://procurement.opengov.com/portal/oceancounty/\)](https://procurement.opengov.com/portal/oceancounty/)

Click on the bid of interest, then click "Draft Response".

Follow the instructions to submit the electronic bid.

It is important to note that this process should be completed well in advance of the bid deadline / bid opening. DO NOT WAIT UNTIL THE LAST MINUTE. The County's electronic submission system will not allow electronic bids to be submitted once the deadline has passed, even if you've already started the process. The deadline is based on the countdown timer found on the OpenGov bid submission page.

Instructions to Bidders

Bid Opening

All bids will be opened publicly in the Administration Building, Room 119, 101 Hooper Avenue, Toms River, New Jersey, commencing at 11:00 am, prevailing time on Tuesday, November 25, 2025.

Electronic Bid Submissions

Bids must be submitted electronically through Ocean County's Procurement Portal by the date and time stipulated in the Notice to Bidders.

Deadline Instructions

The County will not be responsible for late bids, and no bids will be accepted if received after the time stipulated in the notice to bidders.

Completion of all Documents

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package and must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

NOTE: In order to access any DocuSign forms in this solicitation, you must first click "Draft Response".

Instructions on how to access the forms through DocuSign are available in the Attachments. Please note that in order to view the forms as a .pdf document, you must access DocuSign first. Once you access DocuSign, the option to download, save, print and complete the forms becomes available

Right to Reject

The County reserves the right to reject all bids in accordance with N.J.S.A. 40A:11-13.2, to waive any informalities in the bid and to accept the lowest responsible bid in accordance with applicable law.

Bidder Default

In case of default by the bidder or contractor, the County of Ocean may procure the articles or services from other sources and hold the bidder or contractor responsible for any excess cost occasioned thereby.

Indemnity

The bidder, if awarded a contract, agrees to protect, defend and save harmless the County against any damage for payment for the use of any patented material process, article or device that may

enter into the manufacture, construction or form a part of the work covered by either order or contract, and he further agrees to indemnify and save harmless the County from suits or actions of every nature and description brought against it, for, or on account of injuries or damages received or sustained by any party or parties by, or from any of the negligent acts of the contractor, his servants or agents.

Specifications

It is to be understood by the bidder that this bid is submitted on the basis of specifications prepared by the County and the fact that any bidder is not familiar with these specifications or conditions will not be accepted as an excuse.

Bid Security

NO BID SECURITY

Performance Bond

NO PERFORMANCE BOND

Pricing Proposal

Bidders must use the pricing proposal provided in the bid specifications. Failure to use the pricing proposal in the bid specifications shall be cause for rejection of the bid.

Pricing

Insert prices for furnishing all of the material and/or labor described or required. Prices shall be net, including any charges for packing, crating, containers, etc. and all transportation charges fully prepaid by the contractor F.O.B. destination and placement at locations specified by the County. No additional charges will be allowed for any transportation costs resulting from partial shipments made at the vendor's convenience when a single shipment is ordered.

Payment

Payments will be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. The County will not pay interest or late fees regardless of language provided.

Discrepancy in Pricing

In the event that there is a discrepancy between the unit prices and the extended totals, the unit prices shall prevail. In the event there is an error of the summation of the extended totals, the computation by the OWNER of the extended totals shall govern.

Award Timeframe

Award will be made by Ocean County Board of Commissioners within sixty (60) days after receipt of bids.

Equal or Tie Bids

The County of Ocean reserves the right to award at their discretion to any one of the tie bidders where it is most advantageous for the County to do so, pursuant to N.J.S.A. 40A:11-6.1.

Tax Exempt

The County of Ocean is exempt from any State sales tax or Federal excise tax.

Equivalent Product

For purpose of evaluation where an equivalent product is being furnished, bidder must indicate any variation to our specifications no matter how slight. If no variations are indicated, it will be construed that the bid fully complies with our specifications.

Quantities

The quantities shown on the pricing proposal are **estimates only**, and Ocean County will not guarantee any minimum purchase. The County reserves the right to decrease or omit quantities as needed over the course of the contract. The county will not consider any minimum requirements imposed on order quantities. The County also reserves the right to increase quantities to twenty (20) percent of the maximum quantities listed at the unit price bid, in accordance with N.J.A.C. 5:30-11.3. *Note: Actual orders are placed upon receipt of a Purchase Order, on an as needed basis. The County will not be responsible to pay for any product that was not ordered through a Purchase Order.*

Delivery of Goods and Services

Delivery of items shall only be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

American Goods and Products

All contractors must comply with the provisions of New Jersey Statute Title 40A:11-18, when applicable.

Specific Market Conditions for Motor Vehicles

If the current model year changes mid contract, the vendor can submit a price adjustment request to the County for the next model year. Requests for price adjustments must include justification and documentation such as a notice of an increase in the manufacturer's price and/or an increase in the industry. Requests, including specifications and a revised price sheet, must be submitted to the Ocean County Purchasing Agent for review and approval. If approved, the revised

specifications and price sheet will be posted on line for all future purchases for the new model year vehicle.

Additionally, if the awarded model vehicle is no longer available to order, the County reserves the right to purchase the same make and model vehicle (any year) from the awarded vendor from the lot, if available. Specifications and a price quote for these vehicles must be submitted to the Ocean County Purchasing Agent for review and approval before an order can be placed.

Assignment

This agreement shall not be assigned without the written consent of the County of Ocean.

NJ One Call

By presenting a bid, contractor declares that he is aware of and, if required, will comply with the requirements of the "Underground Facility Protection Act (Public Law 1994, Chapter 118)" prior to commencing any intended excavation. The telephone number to call is 1-800-272-1000.

Public Works Contractor Registration Act, N.J.S.A. 34:11-56.48 et seq

The bidder must comply with the provisions of "The Public Works Contractor Registration Act", if applicable.

- All named contractors must be registered with the Department of Labor and Workforce Development pursuant to the Public Works Contractor Registration Act at the time the proposal is received, or the proposal will be determined to be non-responsive.
- Any non-listed contractor must be registered with the Department of Labor and Workforce Development prior to physically starting work. It is the responsibility of the General Contractor to insure that all non-listed sub-contractors comply.
- Contractors are encouraged to submit their and all named sub-contractors' Public Works Contractor Registration Certificates with the bid.

Prevailing Wage & Labor Laws

The New Jersey Prevailing Wage Act (P.L. 1963, Chapter 150) and provisions of the State Labor Laws must be complied with by the successful bidder, if applicable. The current Prevailing Wage Rates can be found online at <https://www.nj.gov/labor/wageandhour/prevailing-rates/public-works/currentprevailingwage.shtml>

New Jersey Business Registration Requirements

Pursuant to N.J.S.A. 52:32-44, Ocean County ("Contracting Agency") is prohibited from entering into a contract with an entity unless the bidder/proposer/contractor, and each subcontractor that is required by law to be named in a bid/proposal/contract has a valid Business Registration Certificate on file with the Division of Revenue and Enterprise Services within the Department of the Treasury.

Prior to contract award or authorization, the contractor shall provide the Contracting Agency with its proof of business registration and that of any named subcontractor(s).

Subcontractors named in a bid or other proposal shall provide proof of business registration to the bidder, who in turn, shall provide it to the Contracting Agency prior to the time a contract, purchase order, or other contracting document is awarded or authorized.

During the course of contract performance:

- (1) the contractor shall not enter into a contract with a subcontractor unless the subcontractor first provides the contractor with a valid proof of business registration.
- (2) the contractor shall maintain and submit to the Contracting Agency a list of subcontractors and their addresses that may be updated from time to time.
- (3) the contractor and any subcontractor providing goods or performing services under the contract, and each of their affiliates, shall collect and remit to the Director of the Division of Taxation in the Department of the Treasury, the use tax due pursuant to the Sales and Use Tax Act, (N.J.S.A. 54:32B-1 et seq.) on all sales of tangible personal property delivered into the State. Any questions in this regard can be directed to the Division of Taxation at (609)292-6400. Form NJ-REG can be filed online at <http://www.state.nj.us/treasury/revenue/busregcert.shtml>.

Before final payment is made under the contract, the contractor shall submit to the Contracting Agency a complete and accurate list of all subcontractors used and their addresses.

Pursuant to N.J.S.A. 54:49-4.1, a business organization that fails to provide a copy of a business registration as required, or that provides false business registration information, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000, for each proof of business registration not properly provided under a contract with a contracting agency.

Pay to Play Requirements

Starting in January 2007, all business entities are advised of their responsibility to file an annual disclosure statement of political contributions with the New Jersey Election Law Enforcement Commission (ELEC) pursuant to N.J.S.A. 19:44A-20.27 if they receive contracts in excess of \$50,000 from public entities in a calendar year. Business entities are responsible for determining if filing is necessary. Additional information on this requirement is available from ELEC at 888-313-3532 or at www.elec.state.nj.us.

Statement of Ownership

The provisions of N.J.S.A. 52:25-24.2 applies to all forms of corporations and partnerships, including, but not limited to, limited partnerships, limited liability corporations, limited liability partnerships, and Subchapter S corporations.

Disclosure of Investment Activities in Iran

Pursuant to Public Law 2012, c. 25, any person or entity that is a successful bidder or proposer, or otherwise proposes to enter into or renew a contract, must complete the certification below to attest, under penalty of perjury, that neither the person or entity, nor any parent entity, subsidiary, or affiliate is identified on the State Department of Treasury's Chapter 25 list as a person or entity engaging in investment activities in Iran. The list is found on Treasury's website at www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf.

The Chapter 25 list must be reviewed prior to completing the certification. If a vendor or contractor is found to be in violation of law, action may be taken as appropriate and as may provided by law, rule or contract, including but not limited to imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party. Prior to contract award or authorization, the contractor shall provide the Contracting Agency with a completed Certification on Disclosure of Investment Activities in Iran.

Certification of Non-Involvement in Prohibited Activities in Russia or Belarus

Pursuant to N.J.S.A. 52:32-60.1, et seq. ([L. 2022, c. 3](#)) any person or entity (hereinafter “Vendor”) that seeks to enter into or renew a contract with a State agency for the provision of goods or services, or the purchase of bonds or other obligations, must complete the certification below indicating whether or not the Vendor is identified on the Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons list, available here: <https://sanctionssearch.ofac.treas.gov/>. If the Department of the Treasury finds that a Vendor has made a certification in violation of the law, it shall take any action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

Insurance Requirements

The contractor shall maintain primary insurance to protect against all claims under Workmen's Compensation, Comprehensive General Liability and Automobile. Except for Workmen's Compensation, all coverage shall apply as primary coverage with respect to any other insurance or self-insurance program afforded to the County. There shall be no endorsement or modification of this coverage to make it excess over other available insurance/coverage; alternatively, if the CGL and umbrella, excess of reinsurance states that it is pro rata, it shall be endorsed to be primary with respect to the County. Primary Coverage shall be subject to approval for adequacy of protection as per the following limits:

Worker's Compensation

1. Limits according to Worker's compensation Laws of the State of New Jersey.
2. Contractor's Liability not less than \$100,000.

Comprehensive General Liability

1. Bodily Injury - \$500,000 per person; \$1,000,000 per occurrence.
2. Property Damage - \$1,000,000 per occurrence.

Comprehensive General Liability Details

Comprehensive Automobile Liability shall include the following:

Business auto liability insurance or its equivalent with a minimum limit of \$1,000,000 per accident and including coverage for all of the following:

- A. Liability arising out of the ownership, maintenance or use of any auto;
- B. Auto non-ownership and hired car coverage.
- C. Contractor's Worker's Compensation, Comprehensive General Liability and
- D. Comprehensive Automobile Liability arising out of subcontractor's operations shall be identical as that listed above.

Proof of Insurance

Copies of each insurance certificate shall be furnished to the County when requested.

Open Public Records Act (OPRA)

**** ATTENTION****

Responses received pursuant to this solicitation are subject to complete disclosure pursuant to the Open Public Records Act. Please note that disclosure includes any and all attachments and addenda supplementing the solicitation response. Accordingly, please do not include personal identifying information in any supplementary documents submitted with the solicitation response.

County Cooperative Contract Purchasing System

The County has established a "COUNTY COOPERATIVE CONTRACT PURCHASING SYSTEM" pursuant to N.J.S.A. 40a:11-1 et seq...

The IDENTIFIER for this system is:
CK-02-OC

This system allows local government contracting entities located within the geographical boundaries of the County to purchase goods and services awarded as a result of this bid proposal if it is extended by the low bidder.

Goods and services must be made available without substitution or deviation from specifications, size, features, quality, price or availability as herein set forth. It is understood that orders, if any, will be placed directly by contracting units, subject to the overall terms of the contract to be awarded by the County of Ocean.

The estimated quantities listed in this specification reflect only the needs of the agencies under the direct control of the Ocean County Board of Commissioners. If the vendor chooses to extend the resulting contract to all other contracting units, the quantities could be higher.

Please check (✓) the YES or NO box in the Vendor Questionnaire to indicate whether or not you will extend contract prices to all contracting units.

Award Method

Contract will be awarded on a lump sum basis.

Mandatory Equal Employment Opportunity

N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127)

N.J.A.C. 17:27

GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union of the contractor's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on the basis of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

- Letter of Federal Affirmative Action Plan Approval
- Certificate of Employee Information Report
- Employee Information Report Form AA302 (electronically provided by the Division and distributed to the public agency through the Division's website at www.state.nj.us/treasury/contract_compliance)

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Purchase & Property, CCAU, EEO Monitoring Program as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Purchase & Property, CCAU, EEO Monitoring Program for conducting a compliance investigation pursuant to **Subchapter 10 of the Administrative Code at N.J.A.C. 17:27.**

Americans with Disabilities Act

Equal Opportunity For Individuals With Disabilities

The CONTRACTOR and the COUNTY do hereby agree that the provisions of title II of the Americans with Disabilities Act of 1990 (the "Act") (42 U.S.C. 12101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the COUNTY pursuant to this contract, the CONTRACTOR agrees that the performance shall be in strict compliance with the Act. In the event that the CONTRACTOR, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the CONTRACTOR shall defend the COUNTY in any action or administrative proceeding commenced pursuant to this Act. The CONTRACTOR shall indemnify, protect and save harmless the COUNTY, its agents, servants and employees from and against any and all suits, claims, losses, demands, or damages of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The CONTRACTOR shall, at its own expense, appear, defend and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the COUNTY'S grievance procedure, the CONTRACTOR agrees to abide by any decision of the COUNTY which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the COUNTY or if the COUNTY incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the CONTRACTOR shall satisfy and discharge the same at its own expense.

The COUNTY shall, as soon as practicable after a claim has been made against it, give written notice thereof to the CONTRACTOR along with full and complete particulars of the claim. If any action or administrative proceeding is brought against the COUNTY or any of its agents, servants and employees, the COUNTY shall expeditiously forward or have forwarded to the CONTRACTOR every demand, complaint, notice, summons, pleading, or other process received by the COUNTY or its representatives.

It is expressly agreed and understood that any approval by the COUNTY of the services provided by the CONTRACTOR pursuant to this contract will not relieve the CONTRACTOR of the obligation to comply with the Act and to defend, indemnify, protect and save harmless the COUNTY pursuant to this paragraph.

It is further agreed and understood that the COUNTY assumes no obligation to indemnify or save harmless the CONTRACTOR, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the CONTRACTOR expressly understands and agrees that the provision of this indemnification clause shall in no way limit the CONTRACTOR'S obligations assumed in this Agreement, nor shall they be construed to relieve the CONTRACTOR from any liability, nor preclude the COUNTY from taking any other actions available to it under any other provisions of this Agreement or otherwise at law.

Motor Vehicle Specific Scope of Work

CONTRACT TERMS

Contract shall be for one (1) year from date of award or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15. The County reserves the right to extend the contract for one (1) additional year by mutual agreement between the County and the Contractor with no increase in base price..

SPECIFICATIONS

Detailed specifications for this bid are located in the Vendor Questionnaire under the question labeled "Compliance Pages for MOTOR VEHICLE: ROLLOFF TRUCK WITH CRANE NO. II" .

INTENT

The purpose of this bid package is to provide the County of Ocean with a contractor(s) who will supply current model year, or newer Motor Vehicles as specified herein.

NO ASSIGNMENT

This agreement shall not be assigned without the written consent of the County of Ocean which consent shall not be unreasonably withheld. Assignee shall promptly prepare and complete such documents as the County shall require.

AVAILABILITY AND DELIVERY

The bidder should indicate the number of days required for the delivery After Receipt of Order (A.R.O.). If not submitted with the bid proposal, the County reserves the right to request this information prior to the award of contract.

OWNERSHIP DISCLOSURE

All contractors shall comply with all laws governing the disclosure of all stockholders or partners, as included in N.J.S.A. 52:25-24.2.

BID REVIEW

Bids may be reviewed at the bid opening and results will be made available online through the County's procurement portal once the bid meeting has concluded. Additionally, bid results are available in the Ocean County Purchasing Department on the day following the bid openings for any interested party that may wish to review them.

MODIFICATIONS & WITHDRAWALS

Bids may be withdrawn based from the bidder prior to the time fixed for opening. No right for withdrawal exists after the bid has been opened. Written request shall be signed by the bidder or proper corporate officers.

EVALUATION

The quality of the equipment supplied, their conformity with the specifications, their suitability to requirements, delivery terms, guaranty clauses, price of the materials shall all be taken into consideration. Where equivalent equipment is offered, the County will determine if the proposed item is equal or better than that specified. The awards will be made on the basis of a comparison of prices of each vehicle listed with standard equipment plus the cost of optional equipment.

TRANSITIONAL PERIOD

In the event services are terminated by contract expiration or by voluntary termination by either the Contractor or the County of Ocean, the Contractor shall continue all terms and conditions of said contract for a period not to exceed one (1) month at the County's request.

AVAILABILITY OF FUNDS

The County's obligation hereunder is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the County for payment of any money shall arise unless, and until funds are made available each year to the Ocean County Purchasing Agent.

MANUALS

Unless otherwise indicated, a minimum of three (3) complete sets of manuals, for each model year, MUST be provided with the first vehicle/equipment delivery as follows (thumb drive, CD/DVD/USB format preferred, if available):

- 1) Operator's Manual
- 2) Parts Book
- 3) Shop Service Manuals including wiring diagrams and trouble shooting guide
- 4) Hydraulic System Manual including parts book and service repair manual (if applicable)

TRAINING AND TECHNICAL SUPPORT

If requested, training shall be provided by the successful bidder for operators and mechanics at a County location with instructional materials as needed.

COOLING SYSTEM PROTECTION

All vehicles furnished must be protected to -20°F (-30°C) with permanent type anti-freeze and summer coolant.

AIR CONDITIONING

All air conditioning shall be factory installed, support system (cooling, electrical, etc.) shall be upgraded in accordance with factory recommendations.

FUEL & FLUIDS

All vehicles will be delivered with a minimum of one-half (½) tank of fuel. All other fluids will be filled in accordance with the manufacturer's recommended levels.

STANDARD EQUIPMENT

These specifications include all standard equipment provided for each vehicle unless specifically upgraded or deleted. In the event options are required, the contractor shall provide upgrading of all support systems affected, in accordance with factory recommendations.

DESIGN

Materials shall be of good commercial quality for the intended service and shall be produced by use of current manufacturing processes and treated to resist rust, corrosion and wear. The design of the mechanical member shall be such that the stress imposed through normal shock loads of maximum engine torque, shall not cause rupture or permanent deformation or undue wear on any member.

REPAIRS

All repairs are to be performed at the location the vehicle is stationed or at a service center within the County. All requests for repairs must be responded to within 24 hours.

DEMONSTRATION

Bidder shall be prepared to give, prior to bid award, a complete demonstration of the equipment proposed at a County facility or a mutually agreed to location and time within the State of New Jersey. The equipment so demonstrated shall be complete as offered by the bidder.

SERVICE

Contractor shall be able to service all equipment proposed. The contractor shall maintain a service facility staffed with qualified service personnel and a working inventory of parts.

WARRANTY

All warranty paperwork will be supplied with each unit at the time of delivery and shall be in typed form. The warranty commences with the final inspection and acceptance of the unit by the County. The authorized Dealer's Warranty shall be for a minimum of one (1) year period from date of final inspection and acceptance by the County for parts and labor on chassis, engine, transmission and all optional equipment. The vendor shall furnish for each vehicle delivered, all of the manufacturer's standard warranty against defects in material, workmanship and design in said vehicles. This agreement shall cover all warranty work, minor warranty and service work at

the successful bidder's location. When requested by the Director of Vehicle Services, this agreement shall also cover all warranty work, minor warranty and service work at a County facility. The successful bidder will be responsible for vehicle transportation for all warranty repairs and recall work for the complete vehicle and installed equipment during the standard or extended warranty period, when applicable. The vehicle must be picked up within five (5) working days of notification that work is required, and returned to the County within seven (7) working days. Bidder shall have full service facility stocked with parts capable of performing all warranty and non-warranty repairs, to ensure efficient and economic maintenance of the vehicles and to reduce down time. In the case of any unnecessary delays in repairing vehicles with warranty work because of parts availability or service scheduling, the Director of Vehicle Services shall be notified and, if requested, a replacement vehicle shall be provided.

DESCRIPTIVE LITERATURE AND TECHNICAL SPECIFICATIONS

Bidders are encouraged to submit descriptive literature and technical specifications with their bid. If not submitted with the bid, the County reserves the right to request this information, prior to contract award.

USE OF OTHER NAMES AND REFERENCES

Unless otherwise stated, the use of manufacturers' names and product numbers are for descriptive purposes, and establishing general quality levels only. They are not intended to be restrictive. Bidders are required to state exactly what they intend to furnish, otherwise it is fully understood that they shall furnish all items as stated.

MODEL INFORMATION REQUIRED

The manufacturer, make and exact models proposed as substitutes shall also be submitted on bidder's letterhead with any proposal contended to be "equivalent". The vehicles, equipment and accessories shall be new. The bidder shall specify the specific model being bid in each class or type of vehicle.

ROLL-OVER MODEL YEAR

The County will consider any request for a contract roll-over to the next model year after the passing of the vehicle manufacturer's cut-off date, specifications, terms and conditions. If a roll-over is agreed upon between the awarded bidder and Vehicle Services Director and rollover pricing approved by the Purchasing Agent, the contract affected by the roll-over will be amended to the newest model year information.

CUT-OFF DATES FOR MODEL YEAR SPECIFIED

The bidder shall notify the County of Ocean Purchasing Department, c/o Jennifer Bowens, Purchasing Agent, P.O. Box 2191, Toms River, NJ 08754 in writing or by fax (732-288-7636) no less than thirty days prior to the factory cut-off date for any vehicle under contract. Successful bidder MUST provide written proof from manufacturer of factory cut-off dates and MUST confirm receipt of same by the County of Ocean Purchasing Department.

COMPLIANCE TO MINIMUM BID REQUIREMENTS EQUIVALENT PROPOSALS

It is the intent of these specifications to describe and govern the purchase of new and unused motor vehicles equipment with any and all accessories as noted herein. The units shall conform to the highest quality of manufacturing and design standards. Any item or items not specifically mentioned herein, but which would be required to produce a complete working unit, shall be supplied by the vendor. All bidders must answer compliance questions in full. A general exception cannot be taken for any paragraph or item. If a bidder is basing his proposal on equipment other than what is specified in these bid documents and wishes the equipment he proposes to be considered as an "approved equal", he shall submit on a separate sheet, in the exact format of the technical specifications contained herein, an item by item description of that which he proposes to substitute including any and all variations from or exceptions to the conditions and specifications of this bid. Failure to comply may result in rejection of bid.

KEYS

A minimum of six (6) sets of keys are required with each vehicle and piece of equipment ordered. This is a minimum requirement: if additional sets are required, it will be indicated in the detailed specification section.

BID PROPOSAL PRICE INCLUSIONS

The price quoted shall include all options specified and all transportation charges fully prepaid to Ocean County Department of Vehicle Services, Chestnut Street, Toms River, New Jersey.

FLEET NUMBER

For Ford Vendors: The County of Ocean Fleet number is QB504.

PRE-BUILD

A detailed vehicle production plan must be provided and approved prior to the start of any upfitting. The production plan detail must include exact mounting locations and configurations for all components.

TITLES

Each vehicle must be delivered with a New Jersey motor vehicle new vehicle inspection sticker in place as prescribed by law. Each vehicle must also be delivered with a New Jersey Motor Vehicle Commission title, registration, and plates. (Temporary plates are not acceptable) Deliver with title issued as follows: 610 234 000 08754 0 Ocean, County of PO Box 2191, Admin. Bldg. Toms River, NJ 08754

DELIVER WITH TITLE NOT CERTIFICATION OF ORIGIN

Notwithstanding the delivery of the title, the County reserves the right to inspect the vehicles and reject them if non-conforming to the specifications.

DELIVERY REQUIREMENTS

Please be advised that when delivering vehicles and/or equipment to the County of Ocean the following procedure must be strictly adhered to:

1. Three (3) days prior to delivery, the successful contractor is required to contact Vehicle Services at (732) 349-4579 and speak with one of the service writers for an approved delivery date.
2. Two (2) days prior to the vehicle delivery the successful bidder will provide via Electronic Delivery (E-mail) a completed and accurate Vehicle Data Sheet and Parts Listing Sheet in a Word Document format for each vehicle being delivered.
3. The successful bidder will have a representative available, and if requested, present during the check-in process.
4. ALL manuals and related materials, as requested in the specifications, MUST be presented to appropriate County personnel at time of delivery of said vehicles /equipment.
5. ALL parts, if requested in the specifications (i.e. belts, filters, hoses, etc.), MUST be presented at time of delivery.
6. The successful contractor shall provide, upon delivery, a list of all supplies (filters, hoses, belts, etc.) needed for the periodic maintenance for the first year. This list shall be complete with part numbers.
7. The successful contractor shall provide, upon delivery, an "As Built" list of all installed equipment and part numbers to cover the vehicle chassis and body.
8. The successful contractor will also be responsible to fill out any and all paperwork needed by the County prior to vehicle delivery. This will assure proper data entry of each vehicle to aide in any future warranty issues.
9. A letter of assurance, on the awarded bidder's company letter head, shall accompany each delivered vehicle, certifying that the vehicle meets or exceeds all specifications as ordered on the Purchase Order.
10. The vehicles furnished shall comply with all safety laws, rules and regulations of the State of New Jersey and with standards for automotive vehicles. A DOT (Department of Transportation) Safety Kit shall be delivered with each vehicle purchased and include a First Aid Kit, Fire Extinguisher, and Safety Triangles.
11. The vehicles, equipment and accessories shall be new and ready for immediate use upon delivery, all service and make-ready having been done prior to delivery. Any vehicle not in such condition will be rejected. All vehicles are to be delivered to the Ocean County Department of Vehicle Services, Chestnut Street, Toms River, New Jersey.

12. No advertising shall appear on any vehicle delivered under the terms of the contract. Further, the contractor will not affix the dealer name to the vehicle. Vehicles delivered to final destinations with dealer's advertising will be rejected.

13. No Vehicle will be accepted at the final delivery point without all supporting documentation and paperwork completed and delivered with the units, which include the vehicle title, warranty, odometer/engine hour statement (if applicable), specified manuals, any line set tickets, invoice and keys sets. No unit will be considered accepted until it has undergone final inspection.

14. All delivered vehicles must be clean both inside and outside. Manufacturer's standard items, such as hubcaps, floor mats, jack and lug wrench or the like, shall be provided, installed, by the contractor prior to delivery.

DELIVERY INSPECTIONS

Prior to presentation for inspection, it shall be the contractor's responsibility to pre-inspect each vehicle. The vehicle must conform to the manufacturer's "new vehicle prep" procedures, if any. The contractor will be required to submit a copy of any "new vehicle prep" procedures upon delivery of the vehicle. Each vehicle presented for inspection shall be accompanied by an inspection package including, but not limited to the following: purchase order, line set sheet (when available) and dealer's pre-inspection prep checklist. The checklist will list the responsible prep mechanic and acknowledge that the vehicle conforms to delivery specifications and that all added equipment and accessories have been properly installed.

Reasons for rejection of units include, but are not limited to:

1. Grinding noise in the wheels (wheel bearings).
2. Improperly aligned wheels.
3. Damaged rims.
4. Any spare tire-rim not mounted on vehicle.
5. Leakage of oil.
6. Transmission leaking fluid at transmission cooler lines or transmission seals.
7. Leakage at rear end.
8. Leaking at radiator.
9. Fuel Leaks.
10. Restrictions in fuel system.
11. Leakage in any part of the exhaust system.
12. Excessively noisy brakes or excessive brake pedal travel.
13. Oil pan damage.
14. Inoperative windshield wipers.
15. Windshield washer not functioning properly.
16. Windshield washer bottle leaking.

17. Transmission malfunctions.
18. Lack of grease fittings in ball joints, U-joints, etc. if factory standard.
19. Horn blowing while driving or inoperative.
20. Gauges or dials missing/malfunctioning.
21. Vehicle pulls to one side.
22. Seatbelts not operating properly.
23. Keys not working properly.
24. Door locks inoperative.
25. Oil dipstick missing or rust on dipstick.
26. Appropriate new vehicle inspection sticker not furnished on windshield.
27. Lights – running, turn, backup, brake, side indicators, and indicator lights not working properly.
28. Lenses missing on interior/exterior light or water in lenses.
29. Any manufacturing deficiencies which permit water leakage into passenger compartment.
30. Windows not operating properly.
31. Vehicle not properly prepped in accordance with the manufacturer's pre-delivery specifications.
32. Vehicle not configured with all equipment and items specified in the contract/purchase order.
33. Body dents, scratches and other defects.
34. Body paint defects.
35. Water leak through roof.
36. Any defects in equipment installation.
37. Electrical system problem.
38. Any defects in after-market components, such as truck body, snow plow, aerial platform, generator, winch, crane and lift-gate.
39. Improperly run wiring and hoses along the chassis.

Inspected units which do not comply with these or other requirements will be rejected. If a vehicle has been rejected, the contractor will be notified and the notification will indicate the reason for rejection. All rejected units will be corrected and the corrected unit(s) will be presented for re-inspection within seven (7) working days. The ordering Department may cancel the purchase order if the contractor fails to correct any problem, without incurring any cost or fee.

Vendor Questionnaire

OpenGov Vendor Account Verification*

I have verified that I am logged into OpenGov using an **account name** that corresponds to the **Tax ID number** and **Business Name** used throughout all documentation in this solicitation. I further understand that should my company be awarded a contract with Ocean County, the company information listed on the **Signature Page** document will be used to generate all contract documents.

Please confirm

*Response required

County Cooperative Contract Purchasing System*

Vendor will extend contract prices to "County Cooperative Contract Purchasing System" Participants as described in [Instruction to Bidders](#) .

Yes

No

*Response required

BID DOCUMENTS TO BE EXECUTED*

Documents include:

- Signature Page
- Non-Collusion Certification
- Affirmative Action Questionnaire
- **Statement of Ownership (N.J.S.A. 52:25-24.2) (Mandatory Document)**
- Disclosure of Investment Activities in Iran
- Certification of Non-Involvement in Prohibited Activities in Russia or Belarus

FAILURE TO SUBMIT ANY OF THESE DOCUMENTS MAY BE CAUSE FOR REJECTION OF YOUR PROPOSAL.

All documents should be from this proposal package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising.

NOTE: For detailed instructions on how to complete the forms via DocuSign, please access the "Instructions for Completing Forms in DocuSign" document available in the Attachments.

Please note: The County's preferred method of submission is DocuSign.

[Click here to go to the form](#)

*Response required

Copy of Bidder's Certificate of Employee Information Report

Within seven (7) days after receipt of the notification of intent to award the contract or receipt of the contract, whichever is sooner, a Contractor should present one of the following to the County of Ocean:

- (a) An existing federally approved or sanctioned affirmative action program.
- (b) A New Jersey Certificate of Employee Information Report Approval.
- (c) If the Contractor cannot present "a" or "b", the Contractor is required to submit a completed Employee Information Report (Form AA302 for Goods and Services; Form AA201 for Construction). This form is available [here](#).

QUESTIONS BELOW MUST BE ANSWERED BY ALL CONTRACTORS ON THE AFFIRMATIVE ACTION DOCUMENT:

1. Do you have a Federally approved or sanctioned Affirmative Action Program?

If yes, please upload a photocopy of such approval.

2. Do you have a State of New Jersey "Certificate of Employee Information Report" approval?

If yes, please upload a photocopy of such certificate.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Copy of Bidder's New Jersey Business Registration Certificate

Please use this area to upload your company's BRC.

Use this link to verify your company's BRC:

https://www1.state.nj.us/TYTR_BRC/jsp/BRCLoginJsp.jsp

Please note that a BRC is not required at the time of bid submission but shall be required prior to the award of a contract.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Mandatory Equal Employment Opportunity Statement*

Does the BIDDER comply with the [#Mandatory Equal Employment Opportunity Statement?](#)

Yes

No

*Response required

Americans with Disabilities Act Provisions*

Does the BIDDER comply with the [#Americans with Disabilities Act Provisions?](#)

Yes

No

*Response required

Descriptive Literature and Warranty Details*

Please supply all descriptive literature and warranty details for all items being bid as well as a list of all diagnostic tools and testing equipment, if applicable.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

*Response required

**COMPLIANCE PAGES FOR MOTOR VEHICLE: ROLLOFF TRUCK WITH CRANE
NO. II***

Please download the attached Compliance Pages. Complete each compliance line by placing a check mark in the box for yes or no. Once finished, upload the completed document. If you are taking any exceptions to any of the compliance lines, please list and explain each exception in detail on company letterhead. Please upload the exceptions letter with the completed compliance pages.

- [COMPLIANCE PAGES - MOTOR VE...](#)

*Response required

Mechanic and Operator Training for All Heavy Duty Motor Vehicles*

MECHANIC AND OPERATOR TRAINING

Training shall be provided by the successful bidder for operators and Mechanics at a County location with instructional materials as needed.

Mechanic training will be provided on site for shop mechanics and supervisors. Class size will not exceed twenty (20) total people. Separate training sessions may be required to accommodate the County's two (2) shifts. Training will be conducted to include the following minimum material:

- Brake system component identification / diagnosis and service procedures
- Electrical system features / diagnosis / maintenance
- Air conditioning system diagnostic and service procedures
- Engine repair and maintenance to include specifications / components / sensor locations
- Emissions equipment to include exhaust after treatment / regeneration / warning system
- Internet based Service and Parts Manual usage

Operator training will be provided for a minimum of four (4) hours immediately following vehicle check in and acceptance. The training will cover familiarization of the truck chassis, installed equipment, and truck hydraulic system operation.

By confirming this question, bidder understands they shall comply with the Mechanic's Training set forth above.

- Please confirm
*Response required

ADDITIONAL VENDOR DOCUMENTATION

Please submit any additional information you wish to be considered as part of your bid package.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Acknowledgement of Submission of Forms from Current Bid Package*

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

- Please confirm
*Response required

Submission of Bid Package*

By submitting a response to this solicitation, the Vendor understands and acknowledges that all required documents to this solicitation must be submitted and that failure to do so may be cause for rejection.

Bidder also understands that only one (1) bid submission shall be considered. Please DO NOT Submit a manual bid response. Submitting a manual response in addition to the electronic response is cause for rejection of your bid.

- Please confirm
*Response required

Pricing Proposal

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
1	Current Model Year, or Newer, Western Star 49X SF Tri-Axle Roll-Off Truck, As Specified or Equal	10	EA							
OPTIONS										
1A	Specifications for a 22' Cable, Model ARH-75-22 Palfinger/American Roll-Off Hoist Tilt frame -Outside Rail -75,000 lbs, As Specified or Equal	10	EA							
1B	Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off Hoist, As Specified or Equal	10	EA							
1C	Articulating Crane, As Specified or Equal	10	EA							
1D	Road Department Options, As Specified	10	EA							
1E	Auto-Tarper Specifications, As Specified	10	EA							
1F	Remove 20000 Lb. Watson/Chalin Pusher Lift Axle, Components and Controls, Lift Axle Tires and Wheels, As Specified	10	EA							
1G	Diagnostic Tools/ Test Equipment, As Specified	3	SET							
1H	Two-Way Radio Power and Wiring Requirements for New Vehicles, As Specified	10	EA							

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year/Mfr./Make/Model:	Delivery, A.R.O.:	Warranty Details:	Comments:
1I	Installation of County Supplied Two Way Radio and Accessories, As Specified	10	EA							
1J	Technical Support, As Specified	180	HOUR							
TOTAL										

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL

	COMPLIANCE	
	YES	NO
<u>General</u>		
Set forward axle	<input type="checkbox"/>	<input type="checkbox"/>
LH Primary Steering Location	<input type="checkbox"/>	<input type="checkbox"/>
Front axle 20,000 lbs	<input type="checkbox"/>	<input type="checkbox"/>
Pusher axle 20,000 lbs	<input type="checkbox"/>	<input type="checkbox"/>
Rear axle 52,000 lbs	<input type="checkbox"/>	<input type="checkbox"/>
80,000 LBS GVWR Registration	<input type="checkbox"/>	<input type="checkbox"/>
<u>Engine</u>		
Cummins x15 14.9L, 912 CID minimum 500 hp@ 1900RPM. Gov@2000 RPM, and 1850 lb.-ft. Torque@950RPM.	<input type="checkbox"/>	<input type="checkbox"/>
Must be in line 6 cylinder of wet sleeve design utilizing hardened Cylinder liners for durability, and electronics for simple service and Diagnosis when needed.	<input type="checkbox"/>	<input type="checkbox"/>
Minimum displacement is to be 14.9 liters.	<input type="checkbox"/>	<input type="checkbox"/>
Engine must comply with latest federal mandate for diesel emissions.	<input type="checkbox"/>	<input type="checkbox"/>
<u>Engine Equipment</u>		
Engine must have latest clean idle diesel emission certification	<input type="checkbox"/>	<input type="checkbox"/>
Oil check and fill: engine mounted	<input type="checkbox"/>	<input type="checkbox"/>
Air intake: under hood with precleaner integrated into hood	<input type="checkbox"/>	<input type="checkbox"/>
Alternator: 200 amp. 28 SI with remote battery volt sense	<input type="checkbox"/>	<input type="checkbox"/>
Batteries: Four (4) 12-volt 700RC maintenance-free 4000 CCA	<input type="checkbox"/>	<input type="checkbox"/>
Stack Battery box: frame-mounted left side aft of back of cab	<input type="checkbox"/>	<input type="checkbox"/>
Positive load disconnect control switch mounted outboard of driver seat	<input type="checkbox"/>	<input type="checkbox"/>
Remote jump start studs mounted on frame next to starter	<input type="checkbox"/>	<input type="checkbox"/>
Silicone heater/radiator/de-aeration/and vent hoses where possible	<input type="checkbox"/>	<input type="checkbox"/>
Compressor: Cummins 18.7 cfm with internal safety valve	<input type="checkbox"/>	<input type="checkbox"/>
Engine protection: electronic engine-integral warning system with shut down function	<input type="checkbox"/>	<input type="checkbox"/>
Engine brake: Cummins Intebrake compression brake with on off dash switch and low, med and high retardation switch	<input type="checkbox"/>	<input type="checkbox"/>
Exhaust: RH outboard under step aftertreatment system shall have dual exhaust	<input type="checkbox"/>	<input type="checkbox"/>
Dual 10'6" bright finish upper curved vertical stacks cab mounted LH & RH	<input type="checkbox"/>	<input type="checkbox"/>
Exhaust shields: stainless steel	<input type="checkbox"/>	<input type="checkbox"/>
Fan drive: Electronically on/off type automatic control with dash switch and light	<input type="checkbox"/>	<input type="checkbox"/>
13 gallon diesel exhaust fluid tank	<input type="checkbox"/>	<input type="checkbox"/>
Non-polished aluminum cover for DEF tank	<input type="checkbox"/>	<input type="checkbox"/>
Oil filter: full-flow	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL

	COMPLIANCE	
	YES	NO
<u>Engine Equipment</u> (Cont'd)		
Fuel filter/water separator: Detroit engine mounted with water in fuel indicator	<input type="checkbox"/>	<input type="checkbox"/>
Radiator: 1400 sq. in. vocational aluminum with protection package	<input type="checkbox"/>	<input type="checkbox"/>
Heavy-duty coolant: -34, oat, extended life and firewall mounted surge tank	<input type="checkbox"/>	<input type="checkbox"/>
Coolant hoses: silicone where possible	<input type="checkbox"/>	<input type="checkbox"/>
Hose clamps: constant tension for coolant hoses and air intake system	<input type="checkbox"/>	<input type="checkbox"/>
Engine heater: Phillips 1500w/115v	<input type="checkbox"/>	<input type="checkbox"/>
Chrome heater receptacle: mounted under driver's door	<input type="checkbox"/>	<input type="checkbox"/>
Ductile iron engine crossmember	<input type="checkbox"/>	<input type="checkbox"/>
Starter: Delco 12v 39 MT+ HD OCP	<input type="checkbox"/>	<input type="checkbox"/>
<u>Transmission & Equipment</u>		
Allison RDS 4700 automatic transmission with PTO provision	<input type="checkbox"/>	<input type="checkbox"/>
Programming for 70 MPH Maximum output speed	<input type="checkbox"/>	<input type="checkbox"/>
S 1 performance primary shift schedule	<input type="checkbox"/>	<input type="checkbox"/>
1800 RPM primary mode shift speed	<input type="checkbox"/>	<input type="checkbox"/>
Disable neutral at stop	<input type="checkbox"/>	<input type="checkbox"/>
Transmission prognostics-enabled	<input type="checkbox"/>	<input type="checkbox"/>
PTO mounting LH side of main transmission	<input type="checkbox"/>	<input type="checkbox"/>
Water to oil transmission cooler	<input type="checkbox"/>	<input type="checkbox"/>
Magnetic plugs, engine drain	<input type="checkbox"/>	<input type="checkbox"/>
Transmission drain, axle(s) fill & drain	<input type="checkbox"/>	<input type="checkbox"/>
Dash mounted push button electric shift control	<input type="checkbox"/>	<input type="checkbox"/>
Synthetic transmission fluid	<input type="checkbox"/>	<input type="checkbox"/>
Transmission oil check and fill with electronic oil level check	<input type="checkbox"/>	<input type="checkbox"/>
<u>Front Axle & Suspension</u>		
Meritor 20,000 lb. front axle	<input type="checkbox"/>	<input type="checkbox"/>
Meritor 16.5 x 6 q+ cast spider HD cam front brakes	<input type="checkbox"/>	<input type="checkbox"/>
Brakes, double anchor, fabricated shoe	<input type="checkbox"/>	<input type="checkbox"/>
Non-asbestos front brake lining severe service	<input type="checkbox"/>	<input type="checkbox"/>
Conmet cast iron front brake drums	<input type="checkbox"/>	<input type="checkbox"/>
Front brake dust shields	<input type="checkbox"/>	<input type="checkbox"/>
Front oil seals	<input type="checkbox"/>	<input type="checkbox"/>
Vented front hub caps window and side plug – oil	<input type="checkbox"/>	<input type="checkbox"/>
Synthetic 75w-90 front axle lube	<input type="checkbox"/>	<input type="checkbox"/>
Haldex automatic front slack adjusters	<input type="checkbox"/>	<input type="checkbox"/>
Bendix Dual power steering gears	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Front Axle & Suspension Cont'd</u>		
Power steering pump	<input type="checkbox"/>	<input type="checkbox"/>
4 quart power steering reservoir	<input type="checkbox"/>	<input type="checkbox"/>
20,000# flat leaf front suspension	<input type="checkbox"/>	<input type="checkbox"/>
Threaded spring pins and bushings	<input type="checkbox"/>	<input type="checkbox"/>
Front shock absorbers	<input type="checkbox"/>	<input type="checkbox"/>
<u>Rear Axle & Suspension</u>		
Meritor RT-52-185 Tandem Rear	<input type="checkbox"/>	<input type="checkbox"/>
Axle @ 52,000#	<input type="checkbox"/>	<input type="checkbox"/>
Rear Ratio 4.89	<input type="checkbox"/>	<input type="checkbox"/>
Watson/Chalin SL-2065 TRU-TRACK 20,000 lb. Air Lift	<input type="checkbox"/>	<input type="checkbox"/>
Steerable pusher suspension with 16.5x6" brakes, dust shields	<input type="checkbox"/>	<input type="checkbox"/>
Watson/Chalin 20000 lb. axle	<input type="checkbox"/>	<input type="checkbox"/>
Pusher axle controls in cab, up/down valve, gauge and air pressure regulator	<input type="checkbox"/>	<input type="checkbox"/>
Lift in reverse	<input type="checkbox"/>	<input type="checkbox"/>
Air piping for liftable pusher axle controls mounted inside cab	<input type="checkbox"/>	<input type="checkbox"/>
52" pusher axle spacing	<input type="checkbox"/>	<input type="checkbox"/>
Iron rear axle carrier housing	<input type="checkbox"/>	<input type="checkbox"/>
SPL250 HT XL Dana Spicer main driveline w/half round yokes	<input type="checkbox"/>	<input type="checkbox"/>
SPL 70XL Dana Spicer interaxle driveline w/half round yokes	<input type="checkbox"/>	<input type="checkbox"/>
Driver control differential lockout rear/rear with indicator light for traction device Synthetic 75w-90w all axles	<input type="checkbox"/>	<input type="checkbox"/>
Meritor 16.5x7" P cam double anchor cast shoes	<input type="checkbox"/>	<input type="checkbox"/>
Non-asbestos rear brake lining	<input type="checkbox"/>	<input type="checkbox"/>
Webb cast iron rear brake drums	<input type="checkbox"/>	<input type="checkbox"/>
Rear brake dust shields	<input type="checkbox"/>	<input type="checkbox"/>
Haldex automatic rear slack adjusters	<input type="checkbox"/>	<input type="checkbox"/>
Rear oil seals	<input type="checkbox"/>	<input type="checkbox"/>
Bendix Eversure Longstroke 2-drive axle spring	<input type="checkbox"/>	<input type="checkbox"/>
Forward of axle mounted parking chambers	<input type="checkbox"/>	<input type="checkbox"/>
Standard spindle nuts for all axles	<input type="checkbox"/>	<input type="checkbox"/>
Tuf-Trac 52,000# inverted 4 leaf rear suspension	<input type="checkbox"/>	<input type="checkbox"/>
Standard 9.5" ride height	<input type="checkbox"/>	<input type="checkbox"/>
55" axle spacing	<input type="checkbox"/>	<input type="checkbox"/>
Fore/Aft and transverse control rods	<input type="checkbox"/>	<input type="checkbox"/>
Rear shock absorbers - two axles	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Brake System Equipment (Cont'd)</u>		
Wabco ABS with traction control with ATC shut off switch	<input type="checkbox"/>	<input type="checkbox"/>
Reinforced nylon, fabric braid & wirebraid chassis air lines	<input type="checkbox"/>	<input type="checkbox"/>
52" axle spacing lift axle	<input type="checkbox"/>	<input type="checkbox"/>
Fore/Aft and transverse control rods	<input type="checkbox"/>	<input type="checkbox"/>
Rear shock absorbers - two axles	<input type="checkbox"/>	<input type="checkbox"/>
Wabco 6s/6m ABS with traction control and ATC shut off switch	<input type="checkbox"/>	<input type="checkbox"/>
Reinforced nylon, fabric braid & wirebraid chassis air lines	<input type="checkbox"/>	<input type="checkbox"/>
Brake System Equipment	<input type="checkbox"/>	<input type="checkbox"/>
Bendix brake valves where possible	<input type="checkbox"/>	<input type="checkbox"/>
Relay valves with 5-8 psi crack pressure tandem and one 3-4.5 PSI for Pusher axle	<input type="checkbox"/>	<input type="checkbox"/>
BW ad-9si brake line air dryer w/heater	<input type="checkbox"/>	<input type="checkbox"/>
Air dryer frame mounted	<input type="checkbox"/>	<input type="checkbox"/>
Aluminum air brake reservoirs with no triple or torpedo tanks	<input type="checkbox"/>	<input type="checkbox"/>
Cab blow out kit with air hose and nozzle	<input type="checkbox"/>	<input type="checkbox"/>
Pull cables on all air reservoirs	<input type="checkbox"/>	<input type="checkbox"/>
<u>Frame & Wheelbase</u>		
277" wheelbase with 186" C/T	<input type="checkbox"/>	<input type="checkbox"/>
.59 x 3.5 x 12.4	<input type="checkbox"/>	<input type="checkbox"/>
120K PSI 31.15 SM, 3,737,583 RBM	<input type="checkbox"/>	<input type="checkbox"/>
58 in. Overhang	<input type="checkbox"/>	<input type="checkbox"/>
Square end of frame	<input type="checkbox"/>	<input type="checkbox"/>
HD steel C-Channel rear closing crossmember	<input type="checkbox"/>	<input type="checkbox"/>
Heavy duty construction back of transmission crossmember	<input type="checkbox"/>	<input type="checkbox"/>
Heavy duty steel construction midship # 1 crossmember	<input type="checkbox"/>	<input type="checkbox"/>
Standard steel construction rear suspension forward crossmember	<input type="checkbox"/>	<input type="checkbox"/>
Standard steel construction rear mounted suspension crossmember	<input type="checkbox"/>	<input type="checkbox"/>
<u>Chassis Equipment/ Trailer Connections</u>		
1/4" steel logger bumper with chip guard and centered front tow pin	<input type="checkbox"/>	<input type="checkbox"/>
Fender mounted front mudflaps	<input type="checkbox"/>	<input type="checkbox"/>
Class 10.9 threaded metric chassis fasteners	<input type="checkbox"/>	<input type="checkbox"/>
Air piping and electrical harness wrapped in abrasion tape clipped to frame	<input type="checkbox"/>	<input type="checkbox"/>
<u>Fuel Tanks & Equipment</u>		
Single 80 gallon aluminum minimum	<input type="checkbox"/>	<input type="checkbox"/>
LH fuel tank mounted forward	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Fuel Tanks & Equipment Cont'd</u>		
25" diameter fuel tank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Standard fuel tank bracket(s)	<input type="checkbox"/>	<input type="checkbox"/>
Plain aluminum fuel tank with polished stainless bands	<input type="checkbox"/>	<input type="checkbox"/>
Alliance fuel water separator with heated bowl	<input type="checkbox"/>	<input type="checkbox"/>
Equiflo inboard fuel system	<input type="checkbox"/>	<input type="checkbox"/>
High temperature reinforced nylon fuel hose	<input type="checkbox"/>	<input type="checkbox"/>
In tank fuel level sender	<input type="checkbox"/>	<input type="checkbox"/>
<u>Front & Pusher Tires, Hubs, & Wheels</u>		
Michelin XZY-3 425/65R22.5 20 ply	<input type="checkbox"/>	<input type="checkbox"/>
Conmet iron front hubs	<input type="checkbox"/>	<input type="checkbox"/>
Accuride 29807 - 4.75 inset 5 hand HD 22.5 X 12 10 Hole hub pilot steel disc front	<input type="checkbox"/>	<input type="checkbox"/>
Wheels painted white	<input type="checkbox"/>	<input type="checkbox"/>
Wheel check high visibility green loose wheel nut indicator on all wheels	<input type="checkbox"/>	<input type="checkbox"/>
<u>Rear Drive Tires, Hubs, & Wheels</u>		
Michelin XDS2 11RX24.5 16 ply rear drive axle tires	<input type="checkbox"/>	<input type="checkbox"/>
Conmet iron rear hubs	<input type="checkbox"/>	<input type="checkbox"/>
Accuride 28827 2 hand 24.5x8 .25 10-hub pilot steel	<input type="checkbox"/>	<input type="checkbox"/>
Steel disc rear wheels painted white	<input type="checkbox"/>	<input type="checkbox"/>
Michelin XZY-3 425/65r22.5 20 ply pusher tires (2)	<input type="checkbox"/>	<input type="checkbox"/>
Accuride 29807 22.5 x 12.25" 4.75" inset 5 hand 10 hub pilot pusher wheels Painted white	<input type="checkbox"/>	<input type="checkbox"/>
Nylon wheel guards front and rear all interfaces painted white	<input type="checkbox"/>	<input type="checkbox"/>
Two (2) spare wheels painted white and tires (1) front and (1) rear mounted on rims	<input type="checkbox"/>	<input type="checkbox"/>
Wheel check high visibility green loose wheel nut indicator on all wheels	<input type="checkbox"/>	<input type="checkbox"/>
<u>Cab Exterior</u>		
121" BBC conventional severe service cab	<input type="checkbox"/>	<input type="checkbox"/>
Non-removable bug screen mounted behind grille	<input type="checkbox"/>	<input type="checkbox"/>
Air cab mounts with check valve	<input type="checkbox"/>	<input type="checkbox"/>
Bolt on molded fender extensions	<input type="checkbox"/>	<input type="checkbox"/>
LH/RH exterior grab handles non slip and RH & LH interior grab handles	<input type="checkbox"/>	<input type="checkbox"/>
Radiator mounted grille	<input type="checkbox"/>	<input type="checkbox"/>
Stainless steel radiator shell/hood bezel with tilt hood handle	<input type="checkbox"/>	<input type="checkbox"/>
One piece fiberglass hood with hood opening assist and locking strut	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Cab Exterior (Cont'd)</u>		
Two (2) Hadley SD-978 26" rect. air horns	<input type="checkbox"/>	<input type="checkbox"/>
Single electric horn	<input type="checkbox"/>	<input type="checkbox"/>
Horn shields	<input type="checkbox"/>	<input type="checkbox"/>
Door locks and ignition keyed the same; must submit six (6) keys	<input type="checkbox"/>	<input type="checkbox"/>
Dual stage LED headlights with heated lens system	<input type="checkbox"/>	<input type="checkbox"/>
Visor mounted led marker lights	<input type="checkbox"/>	<input type="checkbox"/>
Individual led stop/tail/turn/backup lights mounted end of frame	<input type="checkbox"/>	<input type="checkbox"/>
Headlights on with wipers	<input type="checkbox"/>	<input type="checkbox"/>
Dual heated LH & RH remote C bar mirror system with integral heated convex, turn signal	<input type="checkbox"/>	<input type="checkbox"/>
102" equipment width	<input type="checkbox"/>	<input type="checkbox"/>
LH/RH heated black hood/fender mounted side view mirrors with bright finish mounting arm	<input type="checkbox"/>	<input type="checkbox"/>
Stainless steel exterior sun visor	<input type="checkbox"/>	<input type="checkbox"/>
Tinted rear window	<input type="checkbox"/>	<input type="checkbox"/>
Tinted door glass LH & RH tinted	<input type="checkbox"/>	<input type="checkbox"/>
Electric door window regulator	<input type="checkbox"/>	<input type="checkbox"/>
2 gallon windshield washer reservoir with fluid level indicator	<input type="checkbox"/>	<input type="checkbox"/>
<u>Cab Interior</u>		
Quarry Gray vinyl premium up level interior with teak accent	<input type="checkbox"/>	<input type="checkbox"/>
Black mats with added floor heat and noise insulation	<input type="checkbox"/>	<input type="checkbox"/>
12 volt power supply in dash	<input type="checkbox"/>	<input type="checkbox"/>
Dash mounted ash tray & lighter	<input type="checkbox"/>	<input type="checkbox"/>
Forward roof mounted console	<input type="checkbox"/>	<input type="checkbox"/>
Map pockets, left and right doors	<input type="checkbox"/>	<input type="checkbox"/>
Coat hooks on back wall of cab	<input type="checkbox"/>	<input type="checkbox"/>
One (1) 5 lb. Fire extinguisher mounted inboard of driver seat	<input type="checkbox"/>	<input type="checkbox"/>
Triangle kit	<input type="checkbox"/>	<input type="checkbox"/>
DOT first aid kit	<input type="checkbox"/>	<input type="checkbox"/>
Heater, defroster and air conditioner; Main HV AC with temp control and cosmetic cover	<input type="checkbox"/>	<input type="checkbox"/>
Main fresh air inlet with fresh air filter	<input type="checkbox"/>	<input type="checkbox"/>
Standard heater plumbing with ball shut off valves at supply lines	<input type="checkbox"/>	<input type="checkbox"/>
Valeo heavy duty air conditioner compressor	<input type="checkbox"/>	<input type="checkbox"/>
Radiator MTD AC condenser	<input type="checkbox"/>	<input type="checkbox"/>
Binary control, r-134a	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Cab Interior Cont'd</u>		
Premium Cab insulation	<input type="checkbox"/>	<input type="checkbox"/>
Premium instrument cluster with 5 inch TFT color display	<input type="checkbox"/>	<input type="checkbox"/>
Premium LED cab lighting	<input type="checkbox"/>	<input type="checkbox"/>
Cab door latches with electric door locks	<input type="checkbox"/>	<input type="checkbox"/>
Triangular reflectors withoutflares	<input type="checkbox"/>	<input type="checkbox"/>
Elite high back air suspension driver and passenger seats with two (2) chamber air lumbar support, integrated cushion extension, forward and rear cushion tilt, with heat and adjustable shock absorber inboard and outboard driver and passenger arm rests	<input type="checkbox"/>	<input type="checkbox"/>
Gray Mordura cloth driver and passenger seat covers	<input type="checkbox"/>	<input type="checkbox"/>
Black suspension cover for driver and passenger seats	<input type="checkbox"/>	<input type="checkbox"/>
3-point driver & passenger seat belts w/seat belt retractor	<input type="checkbox"/>	<input type="checkbox"/>
Adjustable tilt and telescoping steering column	<input type="checkbox"/>	<input type="checkbox"/>
4-spoke 450mm (18") black steering wheel with chrome switch bezels	<input type="checkbox"/>	<input type="checkbox"/>
Driver/passenger interior sun visors	<input type="checkbox"/>	<input type="checkbox"/>
<u>Instrument Panels & Controls</u>		
Standard gauge package	<input type="checkbox"/>	<input type="checkbox"/>
Bright gauge bezels	<input type="checkbox"/>	<input type="checkbox"/>
Low air pressure light	<input type="checkbox"/>	<input type="checkbox"/>
Primary & secondary air pressure gauges	<input type="checkbox"/>	<input type="checkbox"/>
Intake mounted air restriction gauge	<input type="checkbox"/>	<input type="checkbox"/>
Cruise control-electronic	<input type="checkbox"/>	<input type="checkbox"/>
Key operated ignition switch & integral start position, (4) position off/run/start	<input type="checkbox"/>	<input type="checkbox"/>
Warning light display mounted in instrument cluster	<input type="checkbox"/>	<input type="checkbox"/>
Heavy duty onboard diagnostic interface connector with dust cap located below dash	<input type="checkbox"/>	<input type="checkbox"/>
Electric fuel gauge	<input type="checkbox"/>	<input type="checkbox"/>
Electrical engine coolant temp gauge	<input type="checkbox"/>	<input type="checkbox"/>
Transmission oil temperature gauge	<input type="checkbox"/>	<input type="checkbox"/>
Engine and trip hour meters integral within driver display	<input type="checkbox"/>	<input type="checkbox"/>
Engine oil pressure gauge	<input type="checkbox"/>	<input type="checkbox"/>
AM/FM WB world tuner radio with Bluetooth, iPod interface;	<input type="checkbox"/>	<input type="checkbox"/>
USB and auxiliary inputs, J1939 (2) radio speakers	<input type="checkbox"/>	<input type="checkbox"/>
AM/FM antenna mounted	<input type="checkbox"/>	<input type="checkbox"/>
Bendix side object detection system	<input type="checkbox"/>	<input type="checkbox"/>
PTO switch and 4 dash mounted AUX switches with indicator lights	<input type="checkbox"/>	<input type="checkbox"/>
Voltmeter	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Instrument Panels & Controls</u>		
Single electric windshield wiper motor with delay	<input type="checkbox"/>	<input type="checkbox"/>
One-valve parking brake system with warning indicator	<input type="checkbox"/>	<input type="checkbox"/>
Self-cancelling turn signal switch with integral head light dimmer, wash/wipe/intermittent	<input type="checkbox"/>	<input type="checkbox"/>
<u>Paint</u>		
Paint shall be one solid color, White.	<input type="checkbox"/>	<input type="checkbox"/>
Chassis frame rail black high solids	<input type="checkbox"/>	<input type="checkbox"/>
Front wheel color: vendor powder Black wheels/rims	<input type="checkbox"/>	<input type="checkbox"/>
Rear/pusher wheel color: powder Black wheels/rims	<input type="checkbox"/>	<input type="checkbox"/>
<u>Undercoating</u>		
Entire truck chassis, underside of cab and underside of added body (dump, utility, platform) to be coated with Tectyl 2423 haps free black	<input type="checkbox"/>	<input type="checkbox"/>
Which is a low VOC, high solids, emulsion corrosion preventive coating.	<input type="checkbox"/>	<input type="checkbox"/>
<u>Accessories</u>		
Five (5) gallons of recommended use hydraulic oil	<input type="checkbox"/>	<input type="checkbox"/>
Five (5) roll off cables and Five (5) spare tarps	<input type="checkbox"/>	<input type="checkbox"/>
One (1) set of all filters	<input type="checkbox"/>	<input type="checkbox"/>
Minimum 36" x 18" x 18" aluminum toolbox with diamond plate lid	<input type="checkbox"/>	<input type="checkbox"/>
<u>Warranty</u>		
Western star severe service	<input type="checkbox"/>	<input type="checkbox"/>
Basic vehicle - 1 year, 50,000 miles	<input type="checkbox"/>	<input type="checkbox"/>
Battery - 1 year, 50,000 miles	<input type="checkbox"/>	<input type="checkbox"/>
Brightwork - 6 months, unlimited	<input type="checkbox"/>	<input type="checkbox"/>
Cab corrosion/perforation - 5 years, unlimited	<input type="checkbox"/>	<input type="checkbox"/>
Cab structure - 1 year, 100,000 miles	<input type="checkbox"/>	<input type="checkbox"/>
Corrosion - 6 months, unlimited	<input type="checkbox"/>	<input type="checkbox"/>
Cross members-3 years, 300,000 miles	<input type="checkbox"/>	<input type="checkbox"/>
Diesel Emission 2010 - 5 years, 100,000 miles	<input type="checkbox"/>	<input type="checkbox"/>
GHG 14/17 (medium duty to heavy duty trucks/tractors) 5 years, 100,000 miles	<input type="checkbox"/>	<input type="checkbox"/>
GHG 14/17 tire (file direct) - 2 years, 24,000 miles	<input type="checkbox"/>	<input type="checkbox"/>
Frame rails - 3 years, 300,000	<input type="checkbox"/>	<input type="checkbox"/>
Front/steer axle: Detroit - 1 year. Unlimited	<input type="checkbox"/>	<input type="checkbox"/>
Front/steer axle: Non-Detroit - 1 year, 100,000 miles	<input type="checkbox"/>	<input type="checkbox"/>
Paint - 1 year, 50,000 miles	<input type="checkbox"/>	<input type="checkbox"/>
Paint, chassis - 6 months, unlimited	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

	COMPLIANCE	
	YES	NO
<u>Warranty (Cont'd)</u>		
Rear axle: Detroit - 1 year, unlimited	<input type="checkbox"/>	<input type="checkbox"/>
Rear axle: non-Detroit - 1 year, 100,000 miles	<input type="checkbox"/>	<input type="checkbox"/>
Towing- 5 years, unlimited miles	<input type="checkbox"/>	<input type="checkbox"/>
Cummins 5 years 200,000 miles engine and ATS warranty	<input type="checkbox"/>	<input type="checkbox"/>
 Cummins Protection Plan:		
• Internal components, major engine systems and major components	<input type="checkbox"/>	<input type="checkbox"/>
• Registered parts and labor	<input type="checkbox"/>	<input type="checkbox"/>
• Covers the following:		
Mounting hardware and gaskets, cylinder head assembly, cylinder block assembly, Rocker level assembly, ecm, piston, rings and liners; lube oil Cooler assembly, front gear cover, oil pan, connecting rod Assembly, Lube pump assembly, camshaft and bushings; cam follower Assemblies, crank shaft assemblies, EGR cooler, valve and mixer; Fuel injectors (excluding after treatment injector), turbo, water pump, fuel pump, air compressor, select engine sensors and Flywheel.	<input type="checkbox"/>	<input type="checkbox"/>
Allison 7 years/unlimited miles transmission warranty	<input type="checkbox"/>	<input type="checkbox"/>

OPTIONS

1A. Specifications for a 22' Cable, Model ARH-75-22 Palfinger/American Roll-Off Hoist

Tilt frame -Outside Rail -75,000 lbs.

The hoist shall be an outside rail unit with a 75,000 lb. rated capacity	<input type="checkbox"/>	<input type="checkbox"/>
Outside rail, 75,000-lb. Capacity, greater than 48-degree dump angle	<input type="checkbox"/>	<input type="checkbox"/>
8" x 4" x 3/8" frame profile the total 22 ft. length of the hoist.	<input type="checkbox"/>	<input type="checkbox"/>
8" x 5/8" side plate for additional strength.	<input type="checkbox"/>	<input type="checkbox"/>
Bed length shall be 289"	<input type="checkbox"/>	<input type="checkbox"/>
Outside rollers, material -C-1045, 4 1/2" O.D.; shall have a minimum of four (4) Basket Style per side	<input type="checkbox"/>	<input type="checkbox"/>
Outside roller pin-2 7/16" C-1045, pin must be removable, mounted inside of Roller Basket	<input type="checkbox"/>	<input type="checkbox"/>
Lock bolt-minimum 3/8" Grade 8 installed on outside of the tube frame to secure roller	<input type="checkbox"/>	<input type="checkbox"/>
Rear roller 2 15/16" C-1045 shaft permanently mounted, with greaseable bushings (4" O.D.. x 1/2" wall) welded to frame rail	<input type="checkbox"/>	<input type="checkbox"/>
Rear roller solid 6 5/8" diameter with S" diameter center offset design to avoid crushing cable when on the ground. Pipe not acceptable.	<input type="checkbox"/>	<input type="checkbox"/>
Automatic front container locks w/chassis mounted spring to account for misaligned cans allow the container to be pulled through when the hoist is down; One (1) per side	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1A. Specifications for a 22' Cable, Model ARH-75-22 Palfinger/American Roll-Off Hoist

Reeving System-Twin Cylinder

4" x4" x 3/4" container alignment guides at hoist tail	<input type="checkbox"/>	<input type="checkbox"/>
Two (2) sets of short container stops	<input type="checkbox"/>	<input type="checkbox"/>
Containers shall be lifted onto the hoist using twin 7 3/4' reeve cylinders	<input type="checkbox"/>	<input type="checkbox"/>
Reeving cylinders two (2) 7" bore, 3/8" wall, 4" rod, 80-7/8" stroke chromed reeving cylinder rods	<input type="checkbox"/>	<input type="checkbox"/>
1/2" cylinder rod covers-full length covers must not obstruct full view of container	<input type="checkbox"/>	<input type="checkbox"/>
Cylinder support brackets-3/8" thick, minimum of three (3) to support reeve cylinders and retain cable	<input type="checkbox"/>	<input type="checkbox"/>
Head sheave to be a maximum of 3" behind the cab. (13" when a tarp is specified)	<input type="checkbox"/>	<input type="checkbox"/>
One (1)12" head sheave with aluminum bronze bushing	<input type="checkbox"/>	<input type="checkbox"/>
Four (4)10-1/4" reeving sheaves with aluminum bronze bushing.	<input type="checkbox"/>	<input type="checkbox"/>
All sheave pins must be removable and shall NOT be welded in place	<input type="checkbox"/>	<input type="checkbox"/>
C-1045 sheave pins, 2 15/16" diameter, greaseable, removable.	<input type="checkbox"/>	<input type="checkbox"/>
7/8" 6 x 37-IWRC-EIPS domestic cable 1 1/4" hi alloy pear linked swaged on end of cable.	<input type="checkbox"/>	<input type="checkbox"/>
Cylinders operate independently with individual shoes	<input type="checkbox"/>	<input type="checkbox"/>

Lift Cylinders

Lift cylinders are installed to accommodate a dual tire lift axle in the future. Installation of a dual tire lift axle w/4 tire (20" or 22") Allowable withoutmodification	<input type="checkbox"/>	<input type="checkbox"/>
6 1/2" bore with 6", 5" and 4" sleeves, 3-stage, D.A. lift cylinders	<input type="checkbox"/>	<input type="checkbox"/>
All sleeves chrome plated, 110" lift cylinder stroke installed and inverted to allow for piping at bottom of frame	<input type="checkbox"/>	<input type="checkbox"/>
Lift cylinder lower mount supports each side of the cylinder	<input type="checkbox"/>	<input type="checkbox"/>
Saddle- 3/8" plate formed in a box to provide dual support for saddle pin at base on each side of the cylinder	<input type="checkbox"/>	<input type="checkbox"/>
Saddle pin removable for service, secured by 3/8" bolt and 4- 2 1/2" X 1/2" collar; 4" in length	<input type="checkbox"/>	<input type="checkbox"/>
Basket - upper cylinder mount supports both sides of each cylinder.	<input type="checkbox"/>	<input type="checkbox"/>
Basket pin, c-1045 2 3/16" diameter, secured by 1/2" bolt and 4- 1 1/4" wide lugs	<input type="checkbox"/>	<input type="checkbox"/>
Basket pin shall be removable	<input type="checkbox"/>	<input type="checkbox"/>
Saddle clip: 4" x 4" angle by 10" long welded to inside of saddle to secure saddle to truck frame.	<input type="checkbox"/>	<input type="checkbox"/>
Lift cylinders can be removed without removing the oil tank and/or toolbox from the unit or raising the hoist	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS (CONT'D)

1A. Specifications for a 22' Cable, Model ARH-75-22 Palfinger/American Roll-Off

Hoist

Hydraulics

Hoist shall have adequate hydraulic capacity to simultaneously raise & lower the hoist and lift the container without a loss of power	<input type="checkbox"/>	<input type="checkbox"/>
2 bank valve-parker vg-20 with work port relief in the lift cylinder bank valve, internal relief set at 2,500 psi.	<input type="checkbox"/>	<input type="checkbox"/>
Valve installed on a separate bracket bolted to the chassis	<input type="checkbox"/>	<input type="checkbox"/>
Inside/outside controls connected by air joysticks	<input type="checkbox"/>	<input type="checkbox"/>
49 gallon stainless steel hydraulic oil tank on passenger side	<input type="checkbox"/>	<input type="checkbox"/>
2" tank/pump shutoff ball valve	<input type="checkbox"/>	<input type="checkbox"/>
2" suction line 1 1/4" return line-wire reinforced secured using t-bolt clamps	<input type="checkbox"/>	<input type="checkbox"/>
Hotshift PTO/pump to be direct mounted and supply 30 gpm at 1200 RPM	<input type="checkbox"/>	<input type="checkbox"/>
Rear pump bracket	<input type="checkbox"/>	<input type="checkbox"/>
Pump to accommodate auxiliary body	<input type="checkbox"/>	<input type="checkbox"/>
I 3/4" hose exceeds SAE 100R2-2 wire braid	<input type="checkbox"/>	<input type="checkbox"/>
PTO dash mounted indicator light	<input type="checkbox"/>	<input type="checkbox"/>
Piping shall be secured using removable clamps or u-bolts (piping must NOT be welded in place)	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic lines that cross the chassis shall be located above the drivetrain line and be pipe where possible	<input type="checkbox"/>	<input type="checkbox"/>
Re-buildable high pressure swivels shall be used at the hinge point of the hoist	<input type="checkbox"/>	<input type="checkbox"/>
Tank shall have sufficient capacity to operate-full push out container when the hoist is in the up position	<input type="checkbox"/>	<input type="checkbox"/>
Tank shall be supported from the top using 1/2" channel brackets	<input type="checkbox"/>	<input type="checkbox"/>
Tank shall be constructed of 3/16 plate at all bracket weld positions	<input type="checkbox"/>	<input type="checkbox"/>
Suction strainer-2" x 100 mesh replaceable, located in tank outlet with relief if plugged	<input type="checkbox"/>	<input type="checkbox"/>
Return filter internal to tank with replaceable cartridge	<input type="checkbox"/>	<input type="checkbox"/>
Filter shall be bolted onto a separate support bracket	<input type="checkbox"/>	<input type="checkbox"/>
An air selector valve, winter/summer mode to operate in either the roll-off or auxiliary mode	<input type="checkbox"/>	<input type="checkbox"/>

Hoist Mounting

The hoist shall be mounted on the chassis to insure performance to the rated capacity		
hoist shall be proven production model available for 10 years	<input type="checkbox"/>	<input type="checkbox"/>
Hoist shall be manufactured in the United States	<input type="checkbox"/>	<input type="checkbox"/>
3/8" hoist mounting plates secured by 5/8" grade 8 bolts; minimum of four (4)	<input type="checkbox"/>	<input type="checkbox"/>
Cylinder saddle secured by 3/4" grade 8 mounting bolts	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS (CONT'D)

1A. Specifications for a 22' Cable, Model ARH-75-22 Palfinger/American Roll-Off

Hoist

Hoist Mounting (Cont'd)

Subframe 4" x 3" x 1/4" tube	<input type="checkbox"/>	<input type="checkbox"/>
Subframe is mounted flush with the chassis to prevent cracking	<input type="checkbox"/>	<input type="checkbox"/>
Rear hinge angle welded to chassis	<input type="checkbox"/>	<input type="checkbox"/>

Fenders & Lights

DOT approved lighting, fenders and ICC bumper shall be part of the hoist	<input type="checkbox"/>	<input type="checkbox"/>
Aluminum diamond plate fenders	<input type="checkbox"/>	<input type="checkbox"/>
1" lip on both inside and outside edge of all fenders for added support	<input type="checkbox"/>	<input type="checkbox"/>
Fenders shock mounted on rubber to resist cracking	<input type="checkbox"/>	<input type="checkbox"/>
Two (2) identical tandem fenders bolted to bracket	<input type="checkbox"/>	<input type="checkbox"/>
Single fender aluminum over triaxle to allow clearance for short containers	<input type="checkbox"/>	<input type="checkbox"/>
Center fender bracket minimum of 360 square inches bolted to bracket	<input type="checkbox"/>	<input type="checkbox"/>
1/4" channel front fender bracket, 1/4" L-shaped center brackets bolted to chassis	<input type="checkbox"/>	<input type="checkbox"/>
8" stainless steel channel bumper w/white vinyl antispray mudflaps	<input type="checkbox"/>	<input type="checkbox"/>
Replaceable wire harness with plugs for all lights	<input type="checkbox"/>	<input type="checkbox"/>
Three (3) individual stainless steel stop, turn & back-up lights per side	<input type="checkbox"/>	<input type="checkbox"/>
LED lighting on the hoist portion of the unit	<input type="checkbox"/>	<input type="checkbox"/>
Wire harness shall be factory fabricated, sealed and tested	<input type="checkbox"/>	<input type="checkbox"/>

Finishing

The hoist shall be painted to match the chassis rails	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturer shall use one (1) coat of primer and two (2) coats of dupont centari paint to match chassis rails	<input type="checkbox"/>	<input type="checkbox"/>
Paint process shall include the use of a hardener and a baked finish	<input type="checkbox"/>	<input type="checkbox"/>

Safety Items

Container tie down system which shall secure any outside rail or inside rail container without modifications to or hold downs on the container	<input type="checkbox"/>	<input type="checkbox"/>
Body up alarm with light	<input type="checkbox"/>	<input type="checkbox"/>
Body props -one (1) per side	<input type="checkbox"/>	<input type="checkbox"/>
Automatic folding ICC bumper with 4" x 3" x 3/16" tube	<input type="checkbox"/>	<input type="checkbox"/>
Cable Hook: 1" high-tensile plate, inserted through hook plate, locked in and fully welded both sides	<input type="checkbox"/>	<input type="checkbox"/>
Aluminum fender over lift axles	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1B. Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off Hoist

Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off Hoist Tilt frame -Outside Rail -75.000 lbs.

The hoist shall be an outside rail unit with a 75,000 lb. rated capacity	<input type="checkbox"/>	<input type="checkbox"/>
Outside rail, 75,000-lb. Capacity, greater than 51-degree dump angle	<input type="checkbox"/>	<input type="checkbox"/>
10" x 4" x 3/8" frame profile the total 22 ft. length of the hoist.	<input type="checkbox"/>	<input type="checkbox"/>
Full length wear strip 3 X 1/4 AR400	<input type="checkbox"/>	<input type="checkbox"/>
Bed length shall be 287"	<input type="checkbox"/>	<input type="checkbox"/>
Outside rollers, material -C-1045, 4" O.D.; shall have a minimum of four (4) Basket Style per side	<input type="checkbox"/>	<input type="checkbox"/>
Outside roller pin-2" C-1045, pin must be removable, mounted inside of Roller Basket	<input type="checkbox"/>	<input type="checkbox"/>
Lock bolt-minimum 3/8" Grade 8 installed on outside of the tube frame to secure roller	<input type="checkbox"/>	<input type="checkbox"/>
Rear roller 2 " C-1018 shaft permanently mounted, with greaseable bushings (4" O.D.. x 1/2" wall) welded to frame rail	<input type="checkbox"/>	<input type="checkbox"/>
Rear roller solid 6 5/8" diameter with S" diameter center offset design to avoid crushing cable when on the ground. Pipe not acceptable.	<input type="checkbox"/>	<input type="checkbox"/>
Automatic front container locks / hoist guides one per side	<input type="checkbox"/>	<input type="checkbox"/>
4" x4" x 3/4" container alignment guides at hoist tail	<input type="checkbox"/>	<input type="checkbox"/>
Two (2) sets of short container stops	<input type="checkbox"/>	<input type="checkbox"/>
Containers shall be lifted onto the hoist using single reeve cylinder	<input type="checkbox"/>	<input type="checkbox"/>
Reeving cylinders two (2) 7.1" bore, .4" wall, 3.9" rod, 80.9" stroke chromed reeving cylinder rods	<input type="checkbox"/>	<input type="checkbox"/>
1/2" cylinder rod covers-full length covers must not obstruct full view of container	<input type="checkbox"/>	<input type="checkbox"/>
Cylinder support brackets- 1/2" thick, to support reeve cylinders and retain cable	<input type="checkbox"/>	<input type="checkbox"/>
Head sheave to be a maximum of 3" behind the cab. (13" when a tarp is specified)	<input type="checkbox"/>	<input type="checkbox"/>
One (1)12" head sheave with aluminum bronze bushing	<input type="checkbox"/>	<input type="checkbox"/>
Four (4)10-1/4" reeving sheaves with aluminum bronze bushing.	<input type="checkbox"/>	<input type="checkbox"/>
Front sheave pins must be removable and shall NOT be welded in place	<input type="checkbox"/>	<input type="checkbox"/>
C-1045 sheave pins, 2 & 2 15/16" diameter, greaseable, removable.	<input type="checkbox"/>	<input type="checkbox"/>
7/8" 6 x 37-IWRC-EIPS domestic cable with swivel hook	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS (CONT'D)

1B. Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off

Hoist

Lift Cylinders

Lift cylinders are to accommodate a dual tire lift axle in the future. Installation of a dual tire lift axle w/4 tire (20" or 22") Allowable without modification	<input type="checkbox"/>	<input type="checkbox"/>
6" bore single stage lift cylinders	<input type="checkbox"/>	<input type="checkbox"/>
All sleeves chrome plated, 70" lift cylinder	<input type="checkbox"/>	<input type="checkbox"/>
Lift cylinder lower mount supports each side of the cylinder and is part of the subframe	<input type="checkbox"/>	<input type="checkbox"/>
Saddle pin removable for service, secured by 1/2 " bolt and is greaseable	<input type="checkbox"/>	<input type="checkbox"/>
Basket - upper cylinder mount supports both sides of each cylinder.	<input type="checkbox"/>	<input type="checkbox"/>
Basket pin, c-1018 2" diameter, secured by 3/8" bolt	<input type="checkbox"/>	<input type="checkbox"/>
Basket pin shall be removable and greaseable	<input type="checkbox"/>	<input type="checkbox"/>
Lift cylinders can be removed without removing the oil tank and/or toolbox from the unit or raising the hoist	<input type="checkbox"/>	<input type="checkbox"/>
Hoist shall have adequate hydraulic capacity to simultaneously raise & lower the hoist and lift the container without a loss of power	<input type="checkbox"/>	<input type="checkbox"/>
2 bank valve-parker vg-20 with work port relief in the lift cylinder bank valve, internal relief set at 4,500 psi.	<input type="checkbox"/>	<input type="checkbox"/>
Valve installed on a bracket bolted to the subframe	<input type="checkbox"/>	<input type="checkbox"/>
Inside/outside controls connected by air joysticks	<input type="checkbox"/>	<input type="checkbox"/>
35 gallon stainless steel hydraulic oil tank	<input type="checkbox"/>	<input type="checkbox"/>
2" tank/pump shutoff ball valve	<input type="checkbox"/>	<input type="checkbox"/>
2" suction line 1 1/4" return line-wire reinforced secured using t-bolt clamps	<input type="checkbox"/>	<input type="checkbox"/>
Hotshift PTO/pump to be direct mounted and supply 30 gpm at 1200 RPM	<input type="checkbox"/>	<input type="checkbox"/>
Pump to accommodate auxiliary body	<input type="checkbox"/>	<input type="checkbox"/>
I 3/4" hose exceeds SAE 100R2-2 wire braid	<input type="checkbox"/>	<input type="checkbox"/>
PTO dash mounted indicator light	<input type="checkbox"/>	<input type="checkbox"/>
Piping shall be secured using removable clamps or u-bolts (piping must NOT be welded in place)	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic lines that cross the chassis shall be located above the drivetrain line and be pipe where possible	<input type="checkbox"/>	<input type="checkbox"/>
Re-buildable high pressure swivels shall be used at the hinge point of the hoist	<input type="checkbox"/>	<input type="checkbox"/>
Tank shall have sufficient capacity to operate-full push out container when the hoist is in the up position	<input type="checkbox"/>	<input type="checkbox"/>
Tank shall be supported from the top using 3/8 " channel brackets	<input type="checkbox"/>	<input type="checkbox"/>
Tank shall be constructed of 3/16 plate at all bracket weld positions	<input type="checkbox"/>	<input type="checkbox"/>
Return filter internal to tank with replaceable cartridge	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1B. Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off Hoist

Hoist Mounting

The hoist shall be mounted on the chassis to insure performance to the rated capacity		
hoist shall be proven production model available for 10 years	<input type="checkbox"/>	<input type="checkbox"/>
Hoist shall be manufactured in the United States	<input type="checkbox"/>	<input type="checkbox"/>
3/8" hoist mounting angles secured by 5/8" grade 8 bolts; minimum of four (4)	<input type="checkbox"/>	<input type="checkbox"/>
Subframe 4" x 3" x 1/4" tube	<input type="checkbox"/>	<input type="checkbox"/>
Subframe is mounted flush with the chassis to prevent cracking	<input type="checkbox"/>	<input type="checkbox"/>
Rear hinge apron welded to chassis	<input type="checkbox"/>	<input type="checkbox"/>

Fenders & Lights

DOT approved lighting, fenders and ICC bumper shall be part of the hoist	<input type="checkbox"/>	<input type="checkbox"/>
Aluminum diamond plate fenders	<input type="checkbox"/>	<input type="checkbox"/>
1" lip on both inside and outside edge of all fenders for added support	<input type="checkbox"/>	<input type="checkbox"/>
Fenders shock mounted on rubber to resist cracking	<input type="checkbox"/>	<input type="checkbox"/>
Two (2) identical tandem fenders bolted to bracket	<input type="checkbox"/>	<input type="checkbox"/>
Single fender aluminum over triaxle to allow clearance for short containers	<input type="checkbox"/>	<input type="checkbox"/>
Center fender bracket minimum of 360 square inches bolted to bracket	<input type="checkbox"/>	<input type="checkbox"/>
1/4" channel front fender bracket, 1/4" L-shaped center brackets bolted to chassis	<input type="checkbox"/>	<input type="checkbox"/>
8" stainless steel channel bumper w/white vinyl antispray mudflaps	<input type="checkbox"/>	<input type="checkbox"/>
Replaceable wire harness with plugs for all lights	<input type="checkbox"/>	<input type="checkbox"/>
Three (3) individual stainless steel stop, turn & back-up lights per side	<input type="checkbox"/>	<input type="checkbox"/>
LED lighting on the hoist portion of the unit	<input type="checkbox"/>	<input type="checkbox"/>
Wire harness shall be factory fabricated, sealed and tested	<input type="checkbox"/>	<input type="checkbox"/>

Finishing

The hoist shall be painted to match the chassis rails	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturer shall use one (1) coat of primer and two (2) coats of dupont centari paint to match chassis rails	<input type="checkbox"/>	<input type="checkbox"/>
Paint process shall include the use of a hardener and a baked finish	<input type="checkbox"/>	<input type="checkbox"/>

Safety Items

Container tie down system which shall secure any outside rail or inside rail container without modifications to or hold downs on the container	<input type="checkbox"/>	<input type="checkbox"/>
Body up alarm with light	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1B. Specifications for a 22' Cable, Model ART-75-22 Palfinger/American Roll-Off Hoist

Safety Items

Body props -one (1) per side	<input type="checkbox"/>	<input type="checkbox"/>
Automatic folding ICC bumper with 4" x 3" x 3/16" tube	<input type="checkbox"/>	<input type="checkbox"/>
Cable Hook: 1" high-tensile plate, inserted through hook plate, locked in and fully welded both sides	<input type="checkbox"/>	<input type="checkbox"/>
Aluminum fender over lift axles with lift axle option if selected	<input type="checkbox"/>	<input type="checkbox"/>

Warranty for a 22' Cable, Palfinger/American roll-off hoist

The bidder shall include a copy of the hoist manufacturer's standard warranty with the bid.

Minimum warranty shall include:

- Cylinder workmanship warranty-2 years
- Over-all hoist warranty - 1 year
- Hoist frame warranty - 3 years

1C. Articulating Crane

It is the intent of these specifications to describe a Palfinger PK 14.501 SLD5 articulating hydraulic crane. The crane shall fold up behind cab and shall be completely stable with a 360 degree work area when outriggers are at full extension. If bidder is proposing any model other than Palfinger PK 14.501 SLD5 articulating hydraulic crane, bidder must list all exceptions. Bidder must supply printed product literature providing compliance with specifications. Bidder must indicate compliance with each line below. Failure to indicate "yes" or "no" for each line will be grounds for rejection of bid. All exceptions no matter how minor must be cited. Failure to list an exception shall justify rejection.

Capacity

Lifting moment of base crane model equal to or greater than 104,990 ft.lbs.

13,200lbs. Max.

6,400lbs. @ 13ft.

4,750lbs. @ 20ft,

3,450lbs. @ 27ft.

2,700lbs. @ 34ft.

Boom

Design and strength calculation to be in accordance with HC1 HD4/S2 EN12999

3 section hydraulic boom extension to 34ft.1in.

Each boom extension shall be one piece of high strength steel six sided with one welded seam.

One (1) individual cylinder for each section shall be provided.

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS (CONT'D)

1C. Articulating Crane

Boom (Cont'd)

Extension cylinders shall be internally ported to supply oil to the next extension.	<input type="checkbox"/>	<input type="checkbox"/>
Pipes shall connect one extension cylinder to the next.	<input type="checkbox"/>	<input type="checkbox"/>
Extension boom section shall be sequenced where required.	<input type="checkbox"/>	<input type="checkbox"/>
Extension system shall utilize the return oil for increased boom extension speeds.	<input type="checkbox"/>	<input type="checkbox"/>
Extension system shall have self lubricating guide pads that do not require greasing.	<input type="checkbox"/>	<input type="checkbox"/>
Extension cylinders shall be mounted at each end of cylinder barrel to minimize rod deflection.	<input type="checkbox"/>	<input type="checkbox"/>
Extension cylinder guides shall have self lubricating guide blocks that do not require greasing.	<input type="checkbox"/>	<input type="checkbox"/>
Outer boom shall be equipped with linkage system.	<input type="checkbox"/>	<input type="checkbox"/>
Outer boom shall articulate up an additional 15 degrees in relation to the main boom.	<input type="checkbox"/>	<input type="checkbox"/>
Outer boom shall lock in transport position.	<input type="checkbox"/>	<input type="checkbox"/>
Main boom shall set in boom rest in transport position.	<input type="checkbox"/>	<input type="checkbox"/>
All brackets shall be protected with a Chrome-VI free process.	<input type="checkbox"/>	<input type="checkbox"/>
Crane shall have a 17,640 lbs. roller bearing load hook.	<input type="checkbox"/>	<input type="checkbox"/>
Outer boom shall be equipped with a factory installed LED work lamp with a switch at the main control and on the remote control.	<input type="checkbox"/>	<input type="checkbox"/>
Boom shall be equipped with a single hydraulic function to the tip for operation of a hydraulic attachment.	<input type="checkbox"/>	<input type="checkbox"/>
Internal cylinder and cable at boom tip to have 36" of travel for Igloo Recycling Container operation	<input type="checkbox"/>	<input type="checkbox"/>

Rotation

Crane column shall rotate 420 degrees with 11,870 ft. lbs. net rotation torque.	<input type="checkbox"/>	<input type="checkbox"/>
Crane column shall be equipped with greaseable rotation bearings.	<input type="checkbox"/>	<input type="checkbox"/>
Rack and pinion rotation gears shall be machined steel.	<input type="checkbox"/>	<input type="checkbox"/>
Rack and pinion shall be equipped with remote mounted grease fitting for easy access.	<input type="checkbox"/>	<input type="checkbox"/>

Outriggers

Outriggers shall have hydraulic extension to a total spread of 21' 7".	<input type="checkbox"/>	<input type="checkbox"/>
Outrigger beam system shall have adjustable side guides in the crane base.	<input type="checkbox"/>	<input type="checkbox"/>
7.4" stabilizer plates shall remain fixed to leg for transport.	<input type="checkbox"/>	<input type="checkbox"/>
Leg cylinder hoses shall be routed internally for maximum protection.	<input type="checkbox"/>	<input type="checkbox"/>
Outrigger legs shall be equipped with pilot operated check valves.	<input type="checkbox"/>	<input type="checkbox"/>
Outrigger controls shall be located so that the outrigger being operated is in clear view of the operator.	<input type="checkbox"/>	<input type="checkbox"/>
A selector shall isolate crane and outrigger controls from simultaneous operation.	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS (CONT'D)

1C. Articulating Crane

Outriggers (Cont'd)

A bubble level shall be installed at each outrigger control station. YES NO

Outrigger legs shall have a wrap around L.E.D. warning light. YES NO

Hydraulics

Crane shall operate at 5,200 psi. / 13.2 to 18.2 US gpm. YES NO

The control valve shall be located at a ground control station on one side. YES NO

Control station shall be illuminated by L.E.D lighting. YES NO

Full capacity curve load chart shall be provided for specific boom version at control station. YES NO

Steel lines shall be used where possible. YES NO

All steel lines and fittings shall be protected with a Chrome-VI free process. YES NO

All hoses on column shall be routed through a flexible covering. YES NO

Load holding valves shall be incorporated into the rotation, main boom lift, outer boom lift, and extension boom systems. YES NO

Crane shall utilize a side mounted 52 US gallon hydraulic oil tank. YES NO

Crane shall be equipped with return and high pressure filters. YES NO

Crane shall be equipped with an 8.5 kW oil cooler installed at the base. YES NO

Crane shall operate via direct mount fixed displacement piston pump. YES NO

Hot Shift PTO specific to specified truck transmission shall be provided. YES NO

Manual Diverter valve to be installed for crane hoist operation. YES NO

Overload Protection System

An electronic OPS shall disable all load moment increasing functions at the control valve when a overload condition is reached. YES NO

The crane shall stop at the position at which the overload condition was encountered and only crane functions that would reduce the operating radius would be available until the overload condition is removed. YES NO

RRC handset shall show progression of capacity. YES NO

At 90 percent of capacity an audible intermittent alarm shall sound. YES NO

When 100 percent of capacity is reached, an audible steady alarm shall sound and all load moment increasing movements shall be block. YES NO

Display will advise the operator what condition is creating the overload condition. (main lift cylinder, rotation limit, etc.). YES NO

HPLS system shall slow crane functions and increase capacity automatically. YES NO

A diagnostics read-out shall be provided on the crane to show the operator and maintenance personnel information on the crane operation. YES NO

System information shall be stored in a history for maintenance personnel. YES NO

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1C. Articulating Crane

Overload Protection System (Cont'd)

An override of the overload protection system shall be provided for false overload situations only, and will only be allowed for a maximum of 1.5 seconds operation to reduce pressure in main lift cylinder.

A 30 second delay between OPS override activation shall limit frequent re-use.

Remote control

Crane shall be equipped with a factory approved and installed Scanreco paddle type wireless fully proportional remote control with capacity alert meter.

Remote control shall have factory service and parts located in North America.

Remote control shall be equipped multiple settings for speed control.

Each direction of each function shall have adjustable full stroke control on all speed channels.

Remote shall have shall have a display sowing the percentage of capacity.

Battery charger shall be mounted inside cab.

Two rechargeable batteries shall be provided.

Remote control

A backup connection wire shall be provided to supply transmitter with power and eliminate radio signal in the event of battery failure or radio interference.

An emergency stop button shall be provided on the radio remote handset to stop the flow of oil to the control sections of the valve.

A diagnostics read-out shall be provided on the crane to show the operator and maintenance personnel information on the remote control operation.

Remote control system information shall be stored in a history for maintenance personnel.

Mounting

Crane shall be attached to the chassis using 4 mounting points.

Crane base shall have a mounting balance to distribute force on both chassis frame rails.

Crane shall be mounted behind the cab on top of a riser frame.

The installed unit shall have spacers installed between the truck chassis flanges to avoid crushing or distorting the frame rails.

Means shall be provided to assure that the frame rail spacers do not fall out in case the mounting studs loosen up.

Crane Finish

Prior to painting, crane components shall be shot-blasted.

Crane components shall be prepared with an emersion process zinc phosphate.

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1C. Articulating Crane

Crane Finish (Cont'd)

Painted components shall be primed by a KTL dip process to insure complete rust protection inside and out.

Crane shall be finished by a baked finish with salt and ultraviolet protection to prevent fading in all weather conditions.

Paint color code shall be RAL3020 for the base, column, main boom, and outer boom.

Manuals and Literature

Printed product literature for the model bid.

Each unit shall include one manual that includes the following information:

Operation.

Maintenance & troubleshooting.

Operators manual shall be provided in paper and electronic format on computer CD.

Mandatory engineering drawings submitted with bid shall include:

Layout of truck, crane, and body.

Chassis weight distribution with max payload.

Stability analysis drawing of proposed vehicle with crane showing 360 degree percentage of capacity stability with outriggers at full extension.

Warranty

Crane shall have a one-year complete / three-year structural warranty.

Factory authorized crane service and warranty location: _____

General

ADD Clear Frame CT 224"

Crane model bid _____

Crane manufacturer _____

Crane installation location _____

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS (CONT'D)

1D. Road Department Options

Rear air locks for rolloff	<input type="checkbox"/>	<input type="checkbox"/>
Spreader	<input type="checkbox"/>	<input type="checkbox"/>
Snow Plow	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulics	<input type="checkbox"/>	<input type="checkbox"/>

SPECIFICATIONS FOR A BUYERS 145-20 SERIES V-BOX SPREADER-304 STAINLESS STEEL CONSTRUCTION

General

This Specification Shall Describe A Buyers 145 Series V-Box Material Spreader Or Approved Equal, Capable Of Hauling And Spreading Free Flowing Granular Materials. This Unit Shall Consist Of A 304 Stainless Steel Body, Rear Discharge Conveyor, Spinner Disc, Power Drive, And All Components Necessary To Make A Complete Operating Unit. Unit Shall Be Manufactured In The USA By An ISO 9001:2008 Certified Company. Bidders Must Submit With Their Proposal Complete Specifications On The Unit They Propose To Furnish.

Minimum Body Requirements

Capacity To Be (19) Yds	<input type="checkbox"/>	<input type="checkbox"/>
Inside Length To Be (20) Feet	<input type="checkbox"/>	<input type="checkbox"/>
Inside Height To Be (69) Inches	<input type="checkbox"/>	<input type="checkbox"/>
Inside Top Width To Be 82"	<input type="checkbox"/>	<input type="checkbox"/>
Side Slope To Be 45° Minimum	<input type="checkbox"/>	<input type="checkbox"/>
Hopper Seams To Be Continuous Welded On Inside	<input type="checkbox"/>	<input type="checkbox"/>
Sides, Ends, & Side Supports To Be 10 Gauge 304 Stainless Steel	<input type="checkbox"/>	<input type="checkbox"/>
Top Edge Of Hopper Is Formed "J" Channel 1 3/4" X 1 1/8"	<input type="checkbox"/>	<input type="checkbox"/>
Body Floor Is 7 Gauge 304 Stainless Steel Bolt-In Replaceable	<input type="checkbox"/>	<input type="checkbox"/>
Long Sills To Be 7 Gauge 304ss	<input type="checkbox"/>	<input type="checkbox"/>
Chain Shields Are 10 Gauge 304 Ss	<input type="checkbox"/>	<input type="checkbox"/>
Cross Sills To Be 3 1/4" X 1 1/2" Formed 7 Gauge 304ss; Welded To Side Supports	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

SPECIFICATIONS FOR A BUYERS 145-20 SERIES V-BOX SPREADER-304 STAINLESS STEEL CONSTRUCTION CONT'D

Minimum Body Requirements (Cont'd)

Feedgate Is 10 Gauge 304ss 12" X 18 5/8"; Screw-Jack Adjustable From Driver Side	<input type="checkbox"/>	<input type="checkbox"/>
Lift Hooks On Each Corner Are 5/8" 304ss Round Bar	<input type="checkbox"/>	<input type="checkbox"/>
All Hardware Is Stainless Steel	<input type="checkbox"/>	<input type="checkbox"/>
All Welds Go Through Passivation Process To Ensure Reformation Of Chrome Oxide Layer Of Stainless Steel For Optimum Corrosion Protection	<input type="checkbox"/>	<input type="checkbox"/>

Minimum Top Screen Requirements

10-Section Hinged Top Grate Screens	<input type="checkbox"/>	<input type="checkbox"/>
3/8" Diameter Bar On 3" Centers Framed With 1/4" X 2" X 2" Structural Angle	<input type="checkbox"/>	<input type="checkbox"/>
Hinged On A 6" Horizontal Crossbeam Side To Side	<input type="checkbox"/>	<input type="checkbox"/>
Powdercoated Black	<input type="checkbox"/>	<input type="checkbox"/>

Minimum Conveyor Requirements

Rear Discharge Pintle Chain Conveyor To Be 24" Wide Overall	<input type="checkbox"/>	<input type="checkbox"/>
Heat Treated Alloy Steel Chain; 21,000 Lbs./Strand	<input type="checkbox"/>	<input type="checkbox"/>
Chain Pins To Be 7/16" Diameter With 2-1/4" Pitch (667x)	<input type="checkbox"/>	<input type="checkbox"/>
Cross Bars To Be 3/8" X 1-1/2" On 4-1/2" Centers	<input type="checkbox"/>	<input type="checkbox"/>
Cross Bars Must Lay Flat On Conveyor Floor	<input type="checkbox"/>	<input type="checkbox"/>
4" Screw Idler Adjustment	<input type="checkbox"/>	<input type="checkbox"/>
Chain Tension Adjusting Screw To Be 5/8" Diameter Stainless Steel	<input type="checkbox"/>	<input type="checkbox"/>
Drive Shaft To Be 2" Diameter Zinc Plated Alloy Steel Mounted In Sealed Ball Bearings	<input type="checkbox"/>	<input type="checkbox"/>
Idler Shaft To Be 1 1/2" Diameter Zinc Plated Alloy Steel Mounted In Sealed Ball Bearings	<input type="checkbox"/>	<input type="checkbox"/>
Conveyor Sprockets To Be Self-Cleaning 8 Tooth Steel, Keyed To Drive And Idler Shafts	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS (CONT'D)

1D. Road Department Options

Conveyor Gearcase

Corrosion Resistant Cast Aluminum Alloy Housing; Oil Tight With Breather And Oil Level Plug

50:1 Reduction: Steel Worm Gear To Be Hardened And Ground:
Aluminum Bronze Output Shaft: 90,000 Lbs. Tensile Strength

Output Bearings To Be Tapered Roller Type

Extended Input Shaft To Accept Optional Application Rate Sensor

Hydraulic Motor To Mount Directly To Gearbox Eliminating Torque Arms, Sprockets, Chains, And Couplers

Hydraulic Motor Shall Be 5.9 C1 Displacement With A Maximum Continuous Flow Rate Of 15 Gpm

10 Gauge 304 Stainless Steel Bolt in Inverted "V"

Platform for V-Box Spreader

24 foot roll off Flatdeck

3" x 4.1# Channel Crossmember on 16" Centers

3/16" Smooth Steel Floor

96" Wide / 72" @ Center Portion

48" Bulkhead

1" Hook and Hookplate

4" Solid Steel Nose Roller

8"x10" HD Ground Rollers on Rear

8"x10" HD Ground Rollers on Front

Cut Out for Spinners

Painted Black

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS (CONT'D)

1D. Road Department Options

304 STAINLESS STEEL SPINNER CHUTE ASSEMBLY

10 Gauge 304 Stainless Steel Enclosed Design. All Mounting And Adjustment Hardware (Pins, Rods, Bolts, Nuts) Shall Be 304 Stainless Steel

(4) Position Telescopic Adjustment; 25. 7"-38.5" Below Mounting Surface

Two (2) 304 Ss Baffles Shall Be Positioned At The Bottom Of The Spinner Chute To Direct Flow Of Materials Onto Spinner Disc For Directional Spread Pattern Adjustment

The Two (2) 304 Ss Spread Pattern Adjustment Baffles Shall Each Have 4 (Four) Positions Of Adjustment Withoutthe Use Of Tools. The Baffle(S) Shall Utilize A 304 S Notched Bar That Pins Into Position For Positive Lock Four

(4) 304 Ss Bottom Spinner Deflectors Shall Be Over-Lapping To Prevent Loss Of Granular Material When The Deflectors Are Raised Front Deflector Is Fixed.

The 304 Ss Bottom Over-Lapping Spinner Deflectors Shall Have Five (5) Positions Of 304 Ss Rod And Pin Adjustment Without Tools. Chain Adjustable Deflectors Are Not Acceptable

The Bottom Over-Lapping Spinner Deflectors Shall Have The Capability To Be Easily Removed And/Or Replaced Without tools

5/8" Thick Urethane 20" Diameter Spinner Disc With 6 (Six) Molded CCW Spinner Vanes To Have Replaceable Machined Hub

The Spinner Hub Is To Be Machined 4 (Four) Bolt Pattern With A 1" Bore And A 1/4" Keyway

Spinner Hydraulic Motor Shall Mount Below The Spinner Assembly. Top Mount Motor Or Drive Shaft With Bearings Not Acceptable

Spinner Hydraulic Motor To Be 2.8 Cl Displacement With A Maximum Continuous Flow Rate Of 12 Gpm

The Spinner Assembly Will Fold Up 180 Degrees With The Use Of A Winch And Cable

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1D. Road Department Options

304 STAINLESS STEEL SPINNER CHUTE ASSEMBLY CONT'D

Paint

All 304 Stainless Steel Components To Be Left In Natural Finish

Non-Stainless Steel Parts To Be Painted Black

VBox Mounting

VBox to be mounted on 3" channel for cleaning purposes

304 Stainless Steel Rear Ladder

Passenger Side Mount Ladder Shall Be 2 Piece And Fold Into Itself

Overall Height Shall Be 76" And Width Shall Be 16"

Steps Shall Be Made Of 1 1/2" SST Gripstrut

Light Box Assembly

Light Box To Be Constructed Of 304 Stainless Steel Measuring 66" Long X 4" Wide X 3" Deep

Light Box To Consist Of Four (4), 6" Holes Two On Each Side And Three (3) 3/4" Holes In The Center

The Back Panel Of The Box (66" X 4") To Be Installed With 2 Sided Tape For Easier Installation Of Wiring Harness

Four (4) 6" Oval Led Strobes

Three (3) 3/4" Led Marker Lights

A Sealed Coiled Wiring Harness With A 12' Lead Will Be Provided With The Light Bar

Light bar to be permanently mounted, trailer plug socket to be mounted in platform Bulkhead

Power supply plug to be mounted to back of cab. Plug shall have trailer plug storage socket for when not in use.

Pin diagram to be supplied by County representative to builder when being build for compatibility with existing equipment.

Led Spreader Light Mounted To Spreader With Separate Dash Mounted Switch

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1D. Road Department Options

Eight (8) Strobes

Four (4) on front of vehicle

Two (2) on rear truck bumper

One (1) on right side

One (1) on left side

Central Hydraulic Manual System

Chelsea PTO Shall Be Of A Hot Shift Design Driven Off Of The Allison Automatic Transmission. The PTO Shall Have A Direct Mount Rotatable Pump Flange. There Shall Be A Console Mounted Rocker Switch To Engage And Disengage The PTO.

304 STAINLESS STEEL SPINNER CHUTE ASSEMBLY CONT'D

Parker P20A346JEAL 17-25

The Pump Shall Be A Cast Iron, Positive Displacement, Gear Type Pump. The Pump Shall Feature Pressure Balanced, Bronze Wear Plates And Teflon Bushings. Pump Shaft Shall Be A 7/8' 13 Spline Shaft To Couple With PTO. Pump Size Shall Be 3.44 Cubic Inches Of Displacement

SPECIFICATIONS FOR A CERTIFIED CENTRAL HYDRAULIC SECTIONAL VALVE GROUP FOR PLOW, AUGER AND SPINNER

The Plow Sections Shall Be A Mobile Design To Withstand Exposure To De-Icing Chemicals And Severe Weather Conditions Without the Use Of A Watertight Enclosure

The Valve Sections Shall Be Of Cast Iron Construction, Horizontally Stackable And Serviceable Without disassembly

The Directional Control Valves Shall Be Pre-Compensated, Proportional Manually Controlled With Stainless Steel Nylon Covered Push Pull Cables And Levers

Each Valve Must Be Of Laminar Flow Design For Minimal Pressure Drop

The Valve Shall Have One Load Independent Proportional Valve For Each Function

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

SPECIFICATIONS FOR A CERTIFIED CENTRAL HYDRAULIC SECTIONAL VALVE GROUP FOR PLOW, AUGER AND SPINNER CONT'D

Where Required Each Section Must Be Able To Limit The Operating Pressure To Both "A" And "B" Ports Individually	<input type="checkbox"/>	<input type="checkbox"/>
Each Directional Valve Section Must Have A Built-In Check Valve Prevents The Oil From Flowing Via The Pressure Adjustment Spool To Tank	<input type="checkbox"/>	<input type="checkbox"/>
Valve Must Have A Filter Cage On Each Electrical Operator To Prevent Spool Sticking Due To Contamination	<input type="checkbox"/>	<input type="checkbox"/>
Valve Must Be Field Convertible; Must Be Able To Convert From An Open Center Circuit Design To A Closed Center Design Without disassembling The Valve Bank	<input type="checkbox"/>	<input type="checkbox"/>
Valve Must Be Available In Either Open Or Closed Center Configurations	<input type="checkbox"/>	<input type="checkbox"/>
Valves Must Mount With All The Work Ports Facing Down	<input type="checkbox"/>	<input type="checkbox"/>
Valve Inlet Shall Have An Adjustable Relief To Protect Against System Over-Pressurization	<input type="checkbox"/>	<input type="checkbox"/>
Plow Lift And Angle Are 4 Way For Double Acting Cylinders With Load Sense Relief And Flow Control	<input type="checkbox"/>	<input type="checkbox"/>
Two Knob Granular Controller Shall Be Activated By A Da Sectional Valve With Cable And De-Tented Lever For Drag Chain Reverse	<input type="checkbox"/>	<input type="checkbox"/>
Auger And Spinner Shall Be Controlled By A Two-Knob Manual Valve With Adjustable Relief And Flow Control	<input type="checkbox"/>	<input type="checkbox"/>
Installing Dealer Must Be Authorized To Preform Warranty Repairs And Periodic Maintenance On Hydraulic Valve Section	<input type="checkbox"/>	<input type="checkbox"/>
Auger and spinner circuits on platform are to have individual pressure and return lines (no common return line on platform)	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS (CONT'D)

1D. Road Department Options

SPECIFICATIONS FOR A CERTIFIED CENTRAL HYDRAULIC SECTIONAL VALVE GROUP FOR PLOW, AUGER AND SPINNER CONT'D

Auger and spinner lines on platform to terminate on platform bulhead

All quick connect fittings to be AG Standard or compatible

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-0000050) SPECIFICATIONS

Moldboard Specifications

52" H X 11' L

10 Gauge Carbon Steel Smooth Rolled Profile Providing Ultra-Smooth Surface For Snow Deflection

Overhang From Cutting Edge To Have Minimum 12" Overhang With 10° Attack Angle.

Top Of Moldboard Shall Be Reinforced By 2 ½" X 2 ½" X 3/8" Angle Iron. Bottom Of Moldboard Is Reinforced By 4 X 4 X 3/4" Angle Iron And Is Drilled To Accommodate Mshto Standards.

Ribs Are Reinforced With 2 X 2 X 3/8 Angle As Well As The Upper And Lower Reinforcement Angles.

Ribs Are 5" At The Trip Edge And 3" Tall At The Top Edge By 1/2" Wide Ribs Are Spaced To Match Support Arm Locations As Well As Provide Adequate Support Of The Moldboard

A Total Of 12 Ribs Are Used Per Moldboard Assembly

Three (3) Sets Of Double Ribs And Six (6) Single Ribs

Each Rib Shall Have A ½" Relief At The Corners Where They Attach To The Reinforcement Angles. This Will Allow Water To Drain Off The Back Of The Moldboard During Storage

At The Bottom Of Each Rib There Shall Be Three (3) 1 5/16" Holes Spaced At 1 7/8" Center To Center To Allow For Semi-Circle Height Adjustments

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-00000050) SPECIFICATIONS CONT'D

Moldboard Specifications (Cont'd)

Two (2) Sets Of Double Ribs Shall Have Three (3) 1 5/16" Holes Spaced At 2 1/4" Center To Center To Allow For Attack Angle Adjustment

Weldments On The Moldboard Shall Be Continuous

Outer Ribs Of Moldboard Will Be Drilled For Marker Installation

Trip Mechanism Construction

Plow Shall Be Full Trip Design Consisting Of Two (2) Coil Springs

Springs Are 3/4" Wire With A Coil Od Of 5 9/16" Consisting Of 16 Full Coils

Bottom Angle Is Reinforced By Eleven (11) 1/2" Thick Gussets Spaced Evenly To Avoid Interference With Cutting Edge Attachment Hardware

Cutting Edge Shall Be 6" X 5/8" X 11' Long And Shall Be Drilled To Aashto Standards

Cutting Edge Shall Be Secured Using 5/8" Grade 8 Carriage Bolts

Push Frame

Designed To Hydraulically Reverse The Moldboard In An Arc At Any Angle From 35° Left To 35° Right From A Centered Position

Shall Be Constructed From 1/2" Plate

Supported Above And Below The Semi-Circle With 2 X 4 X 3/16" Tubing

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1D. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-0000050) SPECIFICATIONS CONT'D

Push Frame Cont'd

Shall Be Drilled To Accept 1 1/2" Bolt At The Semi-Circle Connection. At This Connection Welded To The Push Frame Is The Female Portion Of The Socket Connection. This Connection Distributes The Pushing Load Directly From The Push Frame To Semi-Circle And Moldboard Relieving Stress On The Bolted Connection. The Female Socket Connection Is Made From 1" Plate Steel And Is Contoured To Match The Male Portion On The Semi-Circle

Rear Of Push Frame Shall Be Drilled To Accept A Removable Qcp

Adapter. Three (3) Sets Of 1 3/16" Holes Are Drilled On 2" Centers To Allow For Installation On A Variety Of Trucks And Hitches

Two Holes Are Located At The Top And Bottom Push Frame Plates Drilled To Accept 1 1/2" Bolts For Hydraulic Cylinder Attachment

All Welds Are To Be Continuously Welded. **No Exceptions**

Semi-Circle Construction

Semi-Circle Shall Be Constructed From 5" X 5" X 3/16" Tubing. The Main Tube, Or "Push Beam, Is 5" X 5" X 5/16" Is 120 Inches Long Spanning The Entire Width Of The Moldboard. This Tube Is Constructed From One Continuous Piece

There Are Two Stops Placed Appropriately To Prevent The Plow From Turning Past 35° Left Or Right

Hydraulic Cylinder Mounting Points Are 1/2" Plates Welded To The Top And Bottom Of The Semi-Circle. Plates Shall Be Drilled To Accept 1 1/2" Bolts For Hydraulic Cylinder Attachment. These Plates Also Serve As Locators For Support Arm Shackles And Gussets To Provide Additional Support From The "Push Beam" To The Rest Of The Semi-Circle

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-0000050) SPECIFICATIONS CONT'D

Semi-Circle Construction Cont'd

In The Center Of The Semi-Circle A Hole Shall Be Drilled To Accept The 1 1/2" Grade 8 Bolt That Acts As The Pivot Point For The Push Frame. Also, At This Point Above And Below The Semi-Circle Is The Male Portion Of The Socket That Relieves Stress From The Bolted Connection. This Is Made From 1" Plate Steel And Is Contoured To Match The Female Portion On The Push Frame

Tabs Shall Be Welded On The Push Frame To Accept 1/2" Screw Type Chain Shackles.

The Tabs Shall Be Made From 1/2" Plate Steel 5 1/4" Long And 2 1/2" Wide. They Are Welded To The Back Side Of The 5" Tubular Push Beam To Increase The Weld Surface Area At 55° From The Bottom Of The Semi-Circle To Match The Chain Angle Going To The Lift Arm On The Hitch

There Are Seven Sets Of 3/4" Thick Moldboard Mounting Ears Installed Along The Push Beam For Attachment Of The Moldboard. Moldboard Shall Pivot At These Points On 1 1/4" Diameter Rivet Pins With A Washer And Cotter Pin On The Opposite Side Of The Rivet Head.

Four (4) Sets Of The Moldboard Mounting Ears (Two Outer On Either Side Of The Push Beam) Shall Have An Inside Spacing Of 3/4" To Accept A Single 1/2" Moldboard Rib. Three (3) Sets Of The Moldboard Mounting Ears (The Center Sets) Shall Have An Outside Spacing Of 2 3/4" To Fit Inside Double Moldboard Ribs.

Moldboard Attachment Ears To Be Gusseted With 4" Triangular Steel Gussets

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS (CONT'D)

1D. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-0000050) SPECIFICATIONS CONT'D

Semi-Circle Construction Cont'd

Push Frame Shall Connect To Upper Portion Of The Moldboard Using Two Support Arms. The Center Of The Support Arm Shall Be Made From 2 X 2 X ¼" Square Box Tube. Actual Mounting Points Are 1" Schedule 40 Pipe Fully Welded Through The Box Tubing. The Box Tubing Shall Be Drilled Through To Accept The Pipe. The Actual Connection Point Is A 7/8" Bolt.

Two (2) Mushroom Shoes

Two (2) Curb Shoes, One On Each Side

Hydraulics

Plow Angle Shall Be Controlled By Two Double Acting Hydraulics Cylinders

Each Cylinder Will Have A 4" Bore With An 8" Rod Diameter With A Maximum Operating Pressure Of 3,000 Psi.

Retracted Cylinder Length Is 21" With Both The Rod And Cylinder Ends Accepting 1 ½" Bolts/Pins For Connecting To The Semi-Circle And Push Frame

QCP

Push Frame Is Equipped With A Removable Qcp Adapter For Quick Hitch Applications

The Side Of The Removable Qcp Shall Be Drilled To Allow For Three Different Mounting Heights

Base Of The Qcp Shall Be Made From Mc4 X 13.8lb Channel

QCP Side Plates Shall Be ½" Formed Plate

QCP Loop Diameter Shall Be 2"

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS CONT'D

1D. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL PLOW (SPX-0000050) SPECIFICATIONS CONT'D

Accessories

One (1) Set Of Meyer Saber Plow Led Lights Mounted On Hood Of Chassis With Stainless Steel Mounts. Location To Be Determined By County At Time Of Build.

Paint

Paint Shall Be Of High Quality, Free Of Runs, Overspray And Defects Standard Paint Type Will Be Epoxy Standard Paint Color Shall Be Safety Orange For The Moldboard And Black For The Frame

Hitch Frame

Frame Shall Be Heavy Duty, Low Profile, And Front Frame Mounted Style. Shall Be Designed For Use With Trucks Equipped With A Tilt Hood And Stationary Grill

Snow Plow Hitch Must Clear Hood When Open

Frame Shall Be Capable Of Self-Storing The Hydraulic Cylinder When Not In Operation Thus Allowing The Lift Arm To Fold Down Parallel To The Rest Of The Frame

Vertical Supports Of The Hitch Are Constructed From 4 X 4 X 3/8" Square Tubing Cylinder Support Bracket On The Hitch Shall Be Constructed From 3 1/2" X 3 1/2" X 1/2" Angle Fully Welded To Both Vertical Supports. The Two Cylinder Mounting Tabs Are 1/2" Steel Placed In The Center Of Support Bracket And Spaced 2 1/8" Apart. Each Tab Shall Be Drilled To Accept A 1" Pin.

The Upper Horizontal Support Of The Hitch Shall Be Constructed Of Two Pieces. The First Piece Shall Be A Formed 3/8" Plate That Wraps The Top And Upper Back Portion Of The Vertical Supports. This Plate Also Acts As A Stop When The Lift Cylinder Is Stored As Well As One Of Two Points The Lift Arms Connection Tabs Are Welded.

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1D. Road Department Options

STEEL MOLDBOARD TUBE TABLE, POWER INFINITE REVERSING FULL

PLOW (SPX-0000050) SPECIFICATIONS CONT'D Bumper-To Frame Plow Hitch (SPH-A0000152) s

Hitch Frame (Cont'd)

The Second Horizontal Support Is A 1/2" Contoured Plate That Allows The Lift Cylinder To Be Stored And Provides A Second Mounted Point For The Lift Arm Connection Tabs.

Here Are Two (2) Pairs Of Lift Arm Support Shackles. Each Pair Is Made From 1/2" X 9 3/4" Plate And Are Drilled To Accept 1 1/4" Pins.

Bumper-To Frame Plow Hitch (SPH-A0000152) Specifications

Fully Welded To The Vertical Supports Are Two (2) C 8 X 18. 75 Channels With 1/2" Thick End Plates. The End Plates Shall Be Drilled To Accept Six (6) 5/8 Grade 8 Bolts For Attaching The Hitch Between The Frame Rails.

Support Of The Lower Portion Of The Hitch Shall Be Provided By Left And Right Hitch Side Plates Constructed Of 5/8 Plate And Securely Bolted To The Truck Frame Where Appropriate.

Hitch Plates Fully Welded

Pin Lock QCP

Plow Attachment Shall Be Made By A Pin Lock Qcp Assembly.

Top And Bottom Of The Assembly Shall Be Made From 1/2" Contoured Plate Both Plates Are Drilled To Accept The 2" Lock Pin.

Welded To The Bottom Plate Shall Be A 5/8" Chamfered Plate That Both Provides Support To The Lock Pin And Helps To Guide The Qcp Loop Into The Hitch.

Welded To The Top Of The Top Plate Shall Be A Formed 3/8" Plate Drilled For The 2" Lock Pin That Both Provides Support And Protects The Pin In The Event A Plow Is Set To High While Hitching.

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1D. Road Department Options

BUMPER-TO FRAM PLOW HITCH (SPH-A0000152) SPECIFICATIONS

HITCH FRAME CONT'D

Pin Lock QCP

In The Front Of The Qcp Assembly Shall Be Two (2) ½" Thick Formed Bumpers. These Bumpers Are The Resting/Pushing Point For The Plow; They Are Curved To Allow The Plow To Raise And Lower Smoothly.

Lock Pin Is 2", Tapered At One End For Ease In Guiding Into Position And Has Tabs Welded To The Other End For The Lift Bar Attachment.

Bumper-To Fram Plow Hitch (Sph-A0000152) Specifications

Heavy Duty Lift Arm Assembly

Extendable Style With Seven (7) Different Extended Positions Frame Of The Lift Arm Shall Be Constructed From ½" X 4" Steel Plate That Is Formed To Contour The Outer Tube Of The Extendable Arm. This Frame Shall Also Be The Connection Point To The Hitch And The Hydraulic Cylinder.

The External Tube Is Constructed Of 4" Heavy Wall Square Tubing. On Each End Of The Tube Are 1" Wide Bushings Ground To Fit The Inner Tube. This Ensures A Tight Long Lasting Fit.

Top Plate On The Lift Arm Shall Be 3/16" And Is Used To Prevent "Racking" Of The Frame.

Inner Tube Is Constructed Of 3" Heavy Wall Square Tubing. Tubing Shall Be Drilled To Allow For The Seven (7) Different Extended Positions.

Welded To The Front Of The Inner Tube Is A Formed ½" Plate With Notches To Accept Standard ½" Link Chain. This Plate Shall Have The Ability To Be Changed To Match Different Level Lift Systems.

Hydraulic Lift Cylinder

Hitch Provided With Double Acting 4" X 10" Hydraulic Cylinder

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS CONT'D

1E. Auto-Tarper Specifications

An automatic tarping system compatible with the agency's containers must be supplied.

The unit must be capable of covering containers up twenty-five (25) feet in length. YES NO

Hydraulically operated off roll-off hoist hydraulic system main control valve YES NO

Controlled from driver's side YES NO

Mast-Adjustable for Various Height Containers

Upright tube 4" x 4" YES NO

Inner tube 3 1/2" x 3 1/2" height adjustment 48" YES NO

1 1/2" bore, 48" stroke -single cylinder YES NO

Arms and Bow for Covering Container

Tubing -aluminum YES NO

36" adjustable cross over bar YES NO

Arms moved by torsion springs, unit is adjustable YES NO

Tarp Roller and Wind-Screen

Rolled and unrolled by hydraulic motor YES NO

Tension held at all times by arm torsion springs YES NO

1/4"windscreen to protect tarp motor shall be direct mounted (chain drive not acceptable) YES NO

Mounting

Front mast welded to 4" x 6" x 1/2" angle and bolted to frame YES NO

Mast and 10 X 10" gusset welded to angle YES NO

Rear spring shall mount to truck fenders YES NO

Cab guard built on tarper gantry YES NO

Two (2) led spot lights on tarper gantry; Switch mounted in cab YES NO

Accessories

Five (5) spare tarps for auto tarping system YES NO

1F. Remove 20000 Lb. Watson/Chalin Pusher Lift Axle, Components and Controls, Lift Axle Tires and Wheels

YES NO

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1G. Diagnostic Tools/ Test Equipment

Cummins Quickserv Unlimited Service plan, with renewals, shall be provided at no cost to the county for a period of five (5) years from the acceptance of the equipment

- | | | |
|---|---|---|
| 1. Successful bidder may be required to supply between one (1) to three (3) complete sets of OEM test/diagnostic/ programming equipment (i.e. laptop, software, cabling, and adapters) and special tools required to perform the full range of diagnostic and maintenance actions necessary to maintain vehicle operability. This equipment will cover the vehicle chassis, engine, transmission, brakes, hydraulics, and all additional equipment (if applicable). | □ | □ |
| 2. All laptop computers will be of the newest available technology and have Sufficient storage and memory to operate all required software. | □ | □ |
| 3. Provide a list of all test/diagnostic/programming equipment and special tools Being supplied at the time of bid. | □ | □ |
| 4. All software installations and activations will be completed by the successful bidder at no cost to the County. | □ | □ |
| 5. All software updates and renewal will be provided at no cost to the County for a period of five (5) years from the acceptance of the equipment. | □ | □ |
| 6. All technical issues relating to test/diagnostic/programming equipment and special tools shall be resolved by the successful bidder at no cost to the County for a period of five (5) years from the acceptance of the equipment. | □ | □ |
| 7. Training shall be provided on all items in this section at a County location. | □ | □ |

1H. Two-Way Radio Power and Wiring Requirements for New Vehicles

For the purpose of installing two-way radios into new County vehicles and equipment, the following power and wiring components shall be included:

1. #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.
2. #12 AWG BLACK wire connected to chassis ground.
3. #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps.

These wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle and secured in the vicinity of the operator. The wiring harness shall be clearly labeled "TWO-WAY RADIO". The wires shall be unterminated.

The 12VDC sources shall be protected from making contact with grounded

metal surfaces. □ □

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

OPTIONS CONT'D

1I. Installation of County Supplied Two Way Radio and Accessories

Install is to include but not limited to antenna cable, mounts, speakers, brackets, etc. For the purpose of installing two-way radios into new County vehicles and equipment, the following power and wiring components shall be included:

1. #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.
2. #12 AWG BLACK wire connected to chassis ground.
3. #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps.

These wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle. The wiring harness shall be clearly labeled "TWO-WAY RADIO". The 12VDC sources shall be protected from making contact with grounded metal surfaces.

1J. Technical Support

Technical Support is to be provided by factory authorized technical representatives and is to be the original equipment Manufacturer's industry standard technical presentation in a classroom setting.

The support provided shall be at the journeyman/equipment technician level and should address limited theory, fault diagnosis and repair pertaining specifically to the equipment supplied under this specification.

Technical support may be requested in the following areas:

1. Engine (cooling, fuel, ignition, lubrication systems)- 1 day at each location.
2. Transmission - 1 day at each location
3. Electrical - 1 day at each location
4. Brakes- 1 day at each location
5. Hydraulic system (dump body, spreader, snow plow)- 1 day at each location
6. Upfitter (dump body, sweeper, etc.)- 1 day at each location

A technical representative(s) shall be made available for a total of 180 training/support hours (anticipated to be scheduled in six (6) hour blocks). Shorter training days will be allowed only with consent of Vehicle Services. The total training hours will be required to be provided and no additional compensation will be considered. The actual time to be spent on each area will be by mutual agreement of the Vehicle Services Department and the successful bidder.

For the purposes of determining materials and other training costs, class size is anticipated to be comprised of six (6) to ten (10) Vehicle Services Department personnel. Actual class size will be determined by the Vehicle Services Department at the time the classes are scheduled.

Before the training is scheduled, Vehicle Services and the contractor will agree on the

ITEM #1- CURRENT MODEL YEAR OR NEWER, WESTERN STAR 49X SF TRI-AXLE ROLL-OFF TRUCK, AS SPECIFIED, OR EQUAL (CONT'D)

**COMPLIANCE
YES NO**

OPTIONS CONT'D

1J. Technical Support (Cont'd)

scope of the training, and the type and quantity of manuals, etc. that are necessary for proper coverage.

Technical Support for Vehicle Services may be provided at the following fleet maintenance facility location as scheduled by a Vehicle Services Department representative:

a. Toms River, 152 Chestnut Street, Toms River, N.J. 08753
(Two (2) sessions will be provided at this location. One beginning at 7 am and another beginning at 1:30 pm)

b. Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050

Technical Support for other Departments will be held at a location within Ocean County. The requesting Department will notify the successful bidder of the location.

Training at the successful bidder's site, rather than the designated locations, will be by mutual consent only.

Technical support will be requested and scheduled on an as needed basis up to but not exceeding the 180 hours total during a period not to exceed twelve (12) months from the date of placing the last unit in service.