



*John P. Kelly, Director
Virginia E. Haines, Deputy Director
Barbara Jo Crea, Commissioner
Gary Quinn, Commissioner
Joseph H. Vicari, Commissioner*

*Michael J. Fiure, Director, Management & Budget
Jennifer L. Bowens, Purchasing Agent*

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

BID

MOTOR VEHICLE: TANDEM TRUCK

2022

***ADVERTISEMENT DATE: August 10, 2022
OPENING: August 30, 2022, 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: TANDEM TRUCK** for the County of Ocean, will be received by the Purchasing Agent of the County of Ocean on **Tuesday, August 30, 2022 at 11:00 am**, prevailing time.

Bids will be received electronically via the [County's OpenGov Electronic Bid Portal](https://procurement.opengov.com/portal/oceancounty/) (<https://procurement.opengov.com/portal/oceancounty/>)

Specifications and form of proposal are on the **Procurement Portal (Link Above)** or available for viewing 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

Brian W. McCarthy

Director

Email: ocpurchasing@co.ocean.nj.us

Phone: [\(732\) 349-4579](tel:(732)349-4579)

Departments:

Vehicle Services, Parks

Timeline

Advertising Date	August 10, 2022
Bid Opening Date	August 30, 2022, 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 ProcureNow by following these instructions:

Sign up for a FREE account at <https://secure.procurenow.com/signup>.

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 ProcureNow 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, August 30, 2022.

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.

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

Quantities shown are approximate and the County reserves the right to decrease or omit quantities. The County will not consider minimums placed 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.

Delivery of Goods and Services

Delivery shall 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.

Market Conditions

Due to the fact that goods provided by this solicitation and the current economic conditions are in a volatile state, the County will allow the Contractor to request a price adjustment outside the normal contract renewal process **only if it can be demonstrated and documented that on a national basis the goods solicited and utilized have experienced a significant cost increase since the date of contract award.**

Such events shall be industry wide and cause all related product prices to be effected. **All price adjustment requests must be in writing and submitted to the Ocean County Purchasing Department for approval.** If approved, the Contractor will provide the County with revised pricing. The Contractor may not request an additional increase for a period of three (3) months from the prior request.

Note: A request for price increase does not guarantee approval.

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://lwdwebpt.dol.state.nj.us/archivewages/210152831-ocean-7-28-20.pdf>

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.

Certification of Non-Involvement in Prohibited Activities in Iran

Certification of Non-Involvement in Prohibited Activities in Iran. Pursuant to N.J.S.A. 52:32-58, the proposer must certify that neither the proposer, nor one of its parents, subsidiaries, and/or affiliates (as defined in N.J.S.A. 52:32-56(e)(3)), is listed on the Department of the Treasury's List of Persons or Entities Engaging in Prohibited Investment Activities in Iran and that neither is involved in any of the investment activities set forth in N.J.S.A. 52:32-56(f). If the proposer is unable to so certify, the proposer shall provide a detailed and precise description of such activities. Prior to contract award or authorization, the contractor shall provide the Contracting Agency with a completed Certification on Non-Involvement in Prohibited Activities in Iran.

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.

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 by item basis.

VENDOR QUESTIONNAIRE

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

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). This form will be made available to the Contractor by the County of Ocean.**

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.

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.

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.

*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

Compliance Pages*

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 here. 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

ADDITIONAL VENDOR DOCUMENTATION

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

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

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 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.

SPECIFICATIONS

Detailed specifications for this bid are located in the Vendor Questionnaire under the question labeled "Compliance Pages for MOTOR VEHICLE: TANDEM TRUCK" .

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 (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, at the same contract pricing, specifications, terms and conditions or better. If a roll-over is agreed upon between the awarded bidder and Vehicle Services Director and 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.

PRICING PROPOSAL

**ITEM #1 - MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK,
AS SPECIFIED OR EQUAL**

[illegible]

**ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK,
AS SPECIFIED OR EQUAL**

Please enter the below information about the model of vehicle your company will be providing

Manufacturer: SS

Warranty: Click or tap here to enter text.

Delivery, A.R.O.: Click or tap here to enter text.

Remarks: Click or tap here to enter text.

Click or tap here to enter text.

Click or tap here to enter text.

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>GENERAL</u>		
66,000 GVWR	<input type="checkbox"/>	<input type="checkbox"/>
114SD conventional chassis; setback axle truck	<input type="checkbox"/>	<input type="checkbox"/>
Trailer towing provision at end of frame for truck	<input type="checkbox"/>	<input type="checkbox"/>
LH primary steering location	<input type="checkbox"/>	<input type="checkbox"/>
Truck/trailer configuration	<input type="checkbox"/>	<input type="checkbox"/>
Expected front axle(s) load: 20,000 lbs	<input type="checkbox"/>	<input type="checkbox"/>
Expected gross vehicle weight capacity: 66,000 lbs	<input type="checkbox"/>	<input type="checkbox"/>
Expected gross combination weight: 66,000 lbs	<input type="checkbox"/>	<input type="checkbox"/>
Adjustable tilt and telescoping steering column 4-spoke 18 inch (450 mm) steering wheel	<input type="checkbox"/>	<input type="checkbox"/>
<u>ENGINE</u>		
Cummins X12 455V HP @ 1900 rpm, 1550 lb-ft@ 1000 rpm, 2000 Gov rpm, VOE, or equal	<input type="checkbox"/>	<input type="checkbox"/>
75 mph road speed limit with cruise control	<input type="checkbox"/>	<input type="checkbox"/>
Regeneration inhibit speed threshold - 5 mph	<input type="checkbox"/>	<input type="checkbox"/>
<u>ENGINE EQUIPMENT</u>		
2010 EPA/Carb/GHG21 configuration	<input type="checkbox"/>	<input type="checkbox"/>
Clean idle certified (includes 6x4 inch label on lower forward corner of driver door)	<input type="checkbox"/>	<input type="checkbox"/>
Standard oil pan with engine mounted oil check and fill	<input type="checkbox"/>	<input type="checkbox"/>
Side of hood air intake with Donaldson, or equal, high capacity air cleaner with safety element, firewall mounted	<input type="checkbox"/>	<input type="checkbox"/>
Delco Remy 12V 160 amp 36-SI brush-less quadramount pad alternator with remote battery volt sense	<input type="checkbox"/>	<input type="checkbox"/>
(3) dtna genuine, flooded starting, min 3000CCA, threaded stud batteries	<input type="checkbox"/>	<input type="checkbox"/>
Battery box frame mounted standard battery jumpers	<input type="checkbox"/>	<input type="checkbox"/>
Single battery box frame mounted lh side back of cab	<input type="checkbox"/>	<input type="checkbox"/>
Wire ground return for battery cables with additional frame ground return	<input type="checkbox"/>	<input type="checkbox"/>
Non-polished battery box cover	<input type="checkbox"/>	<input type="checkbox"/>
Cab auxiliary power cable	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>ENGINE EQUIPMENT (CONT'D)</u>		
Positive load disconnect with cab mounted control switch	<input type="checkbox"/>	<input type="checkbox"/>
Mounted outboard driver seat	<input type="checkbox"/>	<input type="checkbox"/>
Positive and negative posts for jumpstart located on frame next to starter	<input type="checkbox"/>	<input type="checkbox"/>
Cummins naturally aspirated 25.9 cfm air compressor with internal safety valve	<input type="checkbox"/>	<input type="checkbox"/>
Electronic engine integral shutdown protection system	<input type="checkbox"/>	<input type="checkbox"/>
Cummins intake brake with high/med/low brake	<input type="checkbox"/>	<input type="checkbox"/>
RH outboard under step mounted horizontal aftertreatment system assembly with	<input type="checkbox"/>	<input type="checkbox"/>
RHB-pillar mounted vertical tailpipe	<input type="checkbox"/>	<input type="checkbox"/>
Engine aftertreatment device, automatic over the road regeneration and dash mounted regeneration request switch	<input type="checkbox"/>	<input type="checkbox"/>
11' 6" standard curve bright upper stack	<input type="checkbox"/>	<input type="checkbox"/>
RH curved vertical tailpipe B-pillar mounted routed from step	<input type="checkbox"/>	<input type="checkbox"/>
13 gallon diesel exhaust fluid tank	<input type="checkbox"/>	<input type="checkbox"/>
100% diesel exhaust fluid fill	<input type="checkbox"/>	<input type="checkbox"/>
Standard diesel exhaust fluid pump mounting and tank cap	<input type="checkbox"/>	<input type="checkbox"/>
Non-polished aluminum diamond plate diesel exhaust fluid tank cover	<input type="checkbox"/>	<input type="checkbox"/>
LH medium duty standard diesel exhaust fluid tank location	<input type="checkbox"/>	<input type="checkbox"/>
Stainless steel aftertreatment device/muffler/tailpipe shield	<input type="checkbox"/>	<input type="checkbox"/>
Horton drive master advantage on/off fan drive	<input type="checkbox"/>	<input type="checkbox"/>
Automatic fan control with dash switch and indicator light, non-engine mounted	<input type="checkbox"/>	<input type="checkbox"/>
Cummins spin on fuel filter	<input type="checkbox"/>	<input type="checkbox"/>
Combination full flow/bypass oil filter	<input type="checkbox"/>	<input type="checkbox"/>
1500 square inch aluminum radiator	<input type="checkbox"/>	<input type="checkbox"/>
Antifreeze to -34°F, oat (nitrite and silicate free) extended life coolant grades blue stripe coolant hoses or equivalent	<input type="checkbox"/>	<input type="checkbox"/>
Constant tension hose clamps for coolant hoses	<input type="checkbox"/>	<input type="checkbox"/>
Radiator drain valve	<input type="checkbox"/>	<input type="checkbox"/>
Lower radiator guard	<input type="checkbox"/>	<input type="checkbox"/>
Phillips-temro 1500 watt/115 volt block heater	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>ENGINE EQUIPMENT (CONT'D)</u>		
Chrome engine heater receptacle mounted under LH door	<input type="checkbox"/>	<input type="checkbox"/>
Delco 12V 39MT HD/OCP starter with thermal protection and integrated magnetic switch	<input type="checkbox"/>	<input type="checkbox"/>
<u>TRANSMISSION AND EQUIPMENT</u>		
Allison 4500 RDS automatic transmission with PTO provision	<input type="checkbox"/>	<input type="checkbox"/>
Allison vocational package 223 - Maximum output speed for PTO operation 4000 rpm - Allison 5th gen transmissions	<input type="checkbox"/>	<input type="checkbox"/>
Vehicle interface wiring connector without blunt cuts, at back of cab electronic transmission customer access connector firewall mounted customer installed Chelsea 280 series PTO	<input type="checkbox"/>	<input type="checkbox"/>
PTO mounting, LH side of main transmission	<input type="checkbox"/>	<input type="checkbox"/>
Magnetic plugs, engine drain, transmission drain, axle fill and drain push button electronic shift control, dash mounted	<input type="checkbox"/>	<input type="checkbox"/>
Transmission prognostics	<input type="checkbox"/>	<input type="checkbox"/>
Water to oil transmission cooler, frame mounted transmission oil check and fill with electronic oil level check	<input type="checkbox"/>	<input type="checkbox"/>
Synthetic transmission fluid (TES-295 compliant)	<input type="checkbox"/>	<input type="checkbox"/>
<u>FRONT AXLE AND EQUIPMENT</u>		
Detroit da-f-20.0-5 20,000 lb. FLL 71.0 kpl/3.74 drop single front axle	<input type="checkbox"/>	<input type="checkbox"/>
Meritor 16.SX6 q+ cast spider cam front brakes, double anchor, fabricated shoes	<input type="checkbox"/>	<input type="checkbox"/>
Non-asbestos front brake lining	<input type="checkbox"/>	<input type="checkbox"/>
Cast iron outboard front brake drums front brake dust shields	<input type="checkbox"/>	<input type="checkbox"/>
Front oil seals	<input type="checkbox"/>	<input type="checkbox"/>
Vented front hub caps with window, center and side plugs - oil standard spindle nuts for all axles	<input type="checkbox"/>	<input type="checkbox"/>
Haldex automatic front slack adjusters with stainless steel clevis pins standard king pin bushings	<input type="checkbox"/>	<input type="checkbox"/>
TRW-THP-60 power steering with RCH45 auxiliary gear power steering pump	<input type="checkbox"/>	<input type="checkbox"/>
4 quart power steering reservoir oil/air power steering cooler	<input type="checkbox"/>	<input type="checkbox"/>
Current available synthetic 75W-90 front axle lube	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>FRONT SUSPENSION</u>		
20,000 lb. flat leaf front suspension	<input type="checkbox"/>	<input type="checkbox"/>
Graphite bronze bushings with seals	<input type="checkbox"/>	<input type="checkbox"/>
Front suspension front shock absorbers	<input type="checkbox"/>	<input type="checkbox"/>
<u>REAR AXLE AND EQUIPMENT</u>		
RT-46-164P 46,000 lb. R-series tandem rear axle	<input type="checkbox"/>	<input type="checkbox"/>
4.30 rear axle ratio	<input type="checkbox"/>	<input type="checkbox"/>
Iron rear axle carrier with standard axle housing RPL125SD Meritor main driveline	<input type="checkbox"/>	<input type="checkbox"/>
RPL20 Meritor interaxle driveline	<input type="checkbox"/>	<input type="checkbox"/>
Driver controlled traction differential - both tandem rear axles	<input type="checkbox"/>	<input type="checkbox"/>
One (1) interaxle lock valve, one (1) driver controlled differential lock forward rear and rear-rear axle valve	<input type="checkbox"/>	<input type="checkbox"/>
Blinking lamp with each interaxle lock switch	<input type="checkbox"/>	<input type="checkbox"/>
Interaxle unlock default with ignition off	<input type="checkbox"/>	<input type="checkbox"/>
Blinking lamp with each mode switch, differential unlock with ignition off, active <5 mph	<input type="checkbox"/>	<input type="checkbox"/>
Meritor 16.SX7 Q+ cast spider heavy duty cam rear brakes, double anchor, fabricated shoes	<input type="checkbox"/>	<input type="checkbox"/>
Non-asbestos rear brake lining	<input type="checkbox"/>	<input type="checkbox"/>
Brake cams and chambers on forward side of drive axle	<input type="checkbox"/>	<input type="checkbox"/>
Conmet cast iron rear brake drums	<input type="checkbox"/>	<input type="checkbox"/>
Rear brake dust shields rear oil seals	<input type="checkbox"/>	<input type="checkbox"/>
Bendix Eversure Longstroke, or equal	<input type="checkbox"/>	<input type="checkbox"/>
2-drive axles spring parking chambers	<input type="checkbox"/>	<input type="checkbox"/>
Haldex automatic rear slack adjusters with stainless steel clevis pins	<input type="checkbox"/>	<input type="checkbox"/>
Synthetic 75w-90 rear axle lube	<input type="checkbox"/>	<input type="checkbox"/>
Standard rear axle breathers	<input type="checkbox"/>	<input type="checkbox"/>
<u>REAR SUSPENSION</u>		
Tufrac Gen2 46,000 lb. rear spring suspension	<input type="checkbox"/>	<input type="checkbox"/>
9.5 inch nominal ride height (460 mm global reference height) axle clamping group	<input type="checkbox"/>	<input type="checkbox"/>
55 inch axle spacing	<input type="checkbox"/>	<input type="checkbox"/>
Fore/aft and transverse control rods rear shock absorbers -two axles	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>BRAKE SYSTEM</u>		
Wabco 4s/4M ABS	<input type="checkbox"/>	<input type="checkbox"/>
Reinforced nylon, fabric braid and wire braid chassis air lines	<input type="checkbox"/>	<input type="checkbox"/>
Fiber braid parking brake hose	<input type="checkbox"/>	<input type="checkbox"/>
Standard brake system valves	<input type="checkbox"/>	<input type="checkbox"/>
Standard air system pressure protection system Standard US front brake valve	<input type="checkbox"/>	<input type="checkbox"/>
Relay valve with 5-8 psi crack pressure, no rear proportioning valve	<input type="checkbox"/>	<input type="checkbox"/>
Wabco system saver HP with integral air governor and heater	<input type="checkbox"/>	<input type="checkbox"/>
Wabco oil coalescing filter for air dryer	<input type="checkbox"/>	<input type="checkbox"/>
Air dryer mounted inboard on LH rail aluminum air brake reservoirs	<input type="checkbox"/>	<input type="checkbox"/>
Pull cables on all air reservoir(s)	<input type="checkbox"/>	<input type="checkbox"/>
Quick disconnect fitting with tire inflation kit	<input type="checkbox"/>	<input type="checkbox"/>
<u>TRAILER CONNECTION</u>		
Air connections to end of frame with glad hands for truck and no dust covers	<input type="checkbox"/>	<input type="checkbox"/>
Primary connector/receptacle wired for separate stop/turn	<input type="checkbox"/>	<input type="checkbox"/>
ABS center pin powered through ignition	<input type="checkbox"/>	<input type="checkbox"/>
SAE J560 7-way primary trailer cable receptacle mounted end of frame	<input type="checkbox"/>	<input type="checkbox"/>
<u>WHEELBASE AND FRAME</u>		
4450 mm (175 inch) wheelbase	<input type="checkbox"/>	<input type="checkbox"/>
½ x 3.64 x 11 ft. 7/8 inch steel frame (12.7 mm x 301.6 mm/0.5 x 11.88 inch)	<input type="checkbox"/>	<input type="checkbox"/>
120 ksi partial inner frame reinforcement at front suspension	<input type="checkbox"/>	<input type="checkbox"/>
1600 mm (63 inch) rear frame overhang	<input type="checkbox"/>	<input type="checkbox"/>
Frame overhang range: 61 inch to 70 inch	<input type="checkbox"/>	<input type="checkbox"/>
24 inch integral front frame extension	<input type="checkbox"/>	<input type="checkbox"/>
Calculated back of cab to rear suspension c/l (ca): 109.65 in	<input type="checkbox"/>	<input type="checkbox"/>
Calculated effective back of cab to rear suspension c/l (ca): 106.65 in calculated frame length - overall: 307.79 in	<input type="checkbox"/>	<input type="checkbox"/>
High Visibility green loose lug nut indicators	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>WHEELBASE AND FRAME (CONT'D)</u>		
Calculated frame space lh side: 30.64 in calculated frame space rh side: 16.03 in square end of frame	<input type="checkbox"/>	<input type="checkbox"/>
Front closing crossmember	<input type="checkbox"/>	<input type="checkbox"/>
Standard weight engine crossmember	<input type="checkbox"/>	<input type="checkbox"/>
Standard midship #1 crossmember(s)	<input type="checkbox"/>	<input type="checkbox"/>
Standard rearmost crossmember	<input type="checkbox"/>	<input type="checkbox"/>
Heavy duty suspension crossmember	<input type="checkbox"/>	<input type="checkbox"/>
<u>CHASSIS EQUIPMENT</u>		
14 inch painted steel bumper front tow hooks	<input type="checkbox"/>	<input type="checkbox"/>
Frame mounted bumper mounting for single license plate	<input type="checkbox"/>	<input type="checkbox"/>
Grade 8 threaded hex headed frame fasteners	<input type="checkbox"/>	<input type="checkbox"/>
<u>FUEL TANKS</u>		
60 gallon/227 liter aluminum fuel tank - LH	<input type="checkbox"/>	<input type="checkbox"/>
25 inch diameter fuel tank(s) with polished stainless steel bands	<input type="checkbox"/>	<input type="checkbox"/>
Fuel tank(s) forward polished step finish custom fuel tank cap	<input type="checkbox"/>	<input type="checkbox"/>
Alliance fuel filter/water separator Equiflo inboard fuel system	<input type="checkbox"/>	<input type="checkbox"/>
High temperature reinforced nylon fuel line	<input type="checkbox"/>	<input type="checkbox"/>
<u>TIRES/HUBS/WHEELS – FRONT AND REAR</u>		
Michelin XZU-S2 315/80R22.5, 20-ply radial front tires	<input type="checkbox"/>	<input type="checkbox"/>
Michelin XDS2 11R22.5, 16-ply radial rear tires	<input type="checkbox"/>	<input type="checkbox"/>
Conmet preset plus premium iron front hubs	<input type="checkbox"/>	<input type="checkbox"/>
Conmet preset plus premium iron rear hubs wheels	<input type="checkbox"/>	<input type="checkbox"/>
Accuride 29039 22.5X9.00 10-hub pilot 5.25 inset 5-hand steel disc - Front	<input type="checkbox"/>	<input type="checkbox"/>
Accuride 28828 22.5X8.25 10-hub pilot 2-hand HD steel disc rear wheels	<input type="checkbox"/>	<input type="checkbox"/>
Front and rear wheel mounting nuts	<input type="checkbox"/>	<input type="checkbox"/>
Nylon wheel guards front and rear - all interfaces	<input type="checkbox"/>	<input type="checkbox"/>
Black, high solids polyurethane chassis paint powder white (N0006EA) front and rear wheels/rims (PKWHT21, TKWHY21, W, TW) powder white (N0006EA)	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>TIRES/HUBS/WHEELS – FRONT AND REAR</u>		
One (1) spare rear wheel and tire setup	<input type="checkbox"/>	<input type="checkbox"/>
One (1) spare front wheel and tire setup	<input type="checkbox"/>	<input type="checkbox"/>
<u>CAB EXTERIOR</u>		
114 inch BBC flat roof aluminum conventional cab air cab mounting	<input type="checkbox"/>	<input type="checkbox"/>
Nonremovable bugscreen mounted behind grille short fender with mudflap	<input type="checkbox"/>	<input type="checkbox"/>
Bolt-on molded flexible fender extensions	<input type="checkbox"/>	<input type="checkbox"/>
LH/RH exterior grab handles with single rubber insert	<input type="checkbox"/>	<input type="checkbox"/>
Bright finish radiator shell/hood bezel	<input type="checkbox"/>	<input type="checkbox"/>
Stationary black grille with bright accents	<input type="checkbox"/>	<input type="checkbox"/>
Chrome hood mounted air intake grille fiberglass hood	<input type="checkbox"/>	<input type="checkbox"/>
Tunnel/firewall liner	<input type="checkbox"/>	<input type="checkbox"/>
Air horn and electric horns	<input type="checkbox"/>	<input type="checkbox"/>
Rear license plate mount end of frame	<input type="checkbox"/>	<input type="checkbox"/>
Halogen composite headlamps with bright bezels LED aerodynamic marker lights	<input type="checkbox"/>	<input type="checkbox"/>
Headlights on with wipers	<input type="checkbox"/>	<input type="checkbox"/>
No daytime running lights	<input type="checkbox"/>	<input type="checkbox"/>
Integral LED stop/tail/backup lights	<input type="checkbox"/>	<input type="checkbox"/>
Standard front turn signal lamps	<input type="checkbox"/>	<input type="checkbox"/>
Dual west coast bright finish heated mirrors with LH/RH remote door mounted mirrors	<input type="checkbox"/>	<input type="checkbox"/>
102 inch equipment width	<input type="checkbox"/>	<input type="checkbox"/>
LH/RH 8 inch bright finish convex mirrors mounted under primary mirrors	<input type="checkbox"/>	<input type="checkbox"/>
Standard side/rear reflectors	<input type="checkbox"/>	<input type="checkbox"/>
RH aftertreatment system cab access with plain diamond plate cover composite exterior sun visor	<input type="checkbox"/>	<input type="checkbox"/>
63 x 14 inch tinted rear window	<input type="checkbox"/>	<input type="checkbox"/>
Tinted door glass –LH/RH with tinted operating wing windows	<input type="checkbox"/>	<input type="checkbox"/>
LH/RH electric powered windows	<input type="checkbox"/>	<input type="checkbox"/>
1-piece bonded heated wiper park solar green glass windshield	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>CAB EXTERIOR (Cont'd)</u>		
2 gallon windshield washer reservoir with fluid level indicator, frame mounted	<input type="checkbox"/>	<input type="checkbox"/>
<u>CAB INTERIOR</u>		
Opal gray vinyl interior	<input type="checkbox"/>	<input type="checkbox"/>
Molded plastic door panel without vinyl insert with aluminum kickplate lower door	<input type="checkbox"/>	<input type="checkbox"/>
Black mats with single insulation	<input type="checkbox"/>	<input type="checkbox"/>
Forward roof mounted console with upper storage compartments and additional center compartment without netting	<input type="checkbox"/>	<input type="checkbox"/>
In-dash storage bin	<input type="checkbox"/>	<input type="checkbox"/>
LH door map pocket	<input type="checkbox"/>	<input type="checkbox"/>
LH/RH integral door panel armrests	<input type="checkbox"/>	<input type="checkbox"/>
Driver and passenger interior sun visors	<input type="checkbox"/>	<input type="checkbox"/>
Two (2) cup holders - LH/RH dash	<input type="checkbox"/>	<input type="checkbox"/>
Gray/charcoal flat dash	<input type="checkbox"/>	<input type="checkbox"/>
5 lb. Fire extinguisher	<input type="checkbox"/>	<input type="checkbox"/>
First aid kit	<input type="checkbox"/>	<input type="checkbox"/>
Heater, defroster and air conditioner	<input type="checkbox"/>	<input type="checkbox"/>
Standard HVAC ducting with snow shield for fresh air intake	<input type="checkbox"/>	<input type="checkbox"/>
Main HVAC controls with recirculation switch	<input type="checkbox"/>	<input type="checkbox"/>
Standard heater plumbing with ball shutoff valves	<input type="checkbox"/>	<input type="checkbox"/>
Valeo heavy duty AC refrigerant compressor binary control, R-134A	<input type="checkbox"/>	<input type="checkbox"/>
Premium insulation	<input type="checkbox"/>	<input type="checkbox"/>
Solid-state circuit protection and fuses with spare fuse kit 12V negative ground electrical system	<input type="checkbox"/>	<input type="checkbox"/>
Dome door activated LH/RH, dual reading lights, forward cab roof	<input type="checkbox"/>	<input type="checkbox"/>
Door locks and ignition switch keyed the same	<input type="checkbox"/>	<input type="checkbox"/>
Triangular reflectors without flares	<input type="checkbox"/>	<input type="checkbox"/>
LH/RH electric door locks	<input type="checkbox"/>	<input type="checkbox"/>
One (1) 12 volt power supply in dash	<input type="checkbox"/>	<input type="checkbox"/>
Elite Isringhausen high back air suspension driver's seat with 2 air lumbar, integrated cushion extension, tilt and adjustable shock, heat	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>CAB INTERIOR (Cont'd)</u>		
Premium Isringhausen high back air suspension passenger seat with 2 air lumbar, integrated cushion extension, tilt and adjustable shock	<input type="checkbox"/>	<input type="checkbox"/>
Six (6) sets of keys	<input type="checkbox"/>	<input type="checkbox"/>
<u>SEATS</u>		
Dual driver and passenger seat armrests	<input type="checkbox"/>	<input type="checkbox"/>
Vinyl with vinyl insert driver seat and passenger seat	<input type="checkbox"/>	<input type="checkbox"/>
Black seat belts	<input type="checkbox"/>	<input type="checkbox"/>
<u>INSTRUMENTS AND CONTROLS</u>		
Low air pressure indicator light and audible alarm	<input type="checkbox"/>	<input type="checkbox"/>
Primary and secondary air pressure gauges	<input type="checkbox"/>	<input type="checkbox"/>
Intake mounted air restriction indicator without graduations	<input type="checkbox"/>	<input type="checkbox"/>
Backup alarm	<input type="checkbox"/>	<input type="checkbox"/>
Electronic cruise control with switches on auxiliary gauge panel (b dash panel)	<input type="checkbox"/>	<input type="checkbox"/>
Key operated ignition switch and integral start position	<input type="checkbox"/>	<input type="checkbox"/>
4 position off/run/start/accessory	<input type="checkbox"/>	<input type="checkbox"/>
ICU3S, 132 x 48 display with diagnostics, 28 led warning lamps and data linked heavy duty onboard diagnostics interface connector located below LH dash	<input type="checkbox"/>	<input type="checkbox"/>
Electric fuel gauge	<input type="checkbox"/>	<input type="checkbox"/>
Electronic Tachometer		
Electrical engine coolant temperature 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"/>
One (1) dash mounted PTO switch with indicator lamp	<input type="checkbox"/>	<input type="checkbox"/>
Electric engine oil pressure gauge	<input type="checkbox"/>	<input type="checkbox"/>
AM/FM/WB world tuner radio with Bluetooth, USB and auxiliary inputs	<input type="checkbox"/>	<input type="checkbox"/>
Two (2) Radio speakers in cab	<input type="checkbox"/>	<input type="checkbox"/>
Electronic mph speedometer with secondary KPH scale	<input type="checkbox"/>	<input type="checkbox"/>
No vehicle performance monitor	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>INSTRUMENTS AND CONTROLS (CONT'D)</u>		
Ignition switch controlled engine stop	<input type="checkbox"/>	<input type="checkbox"/>
Minimum of four (4) ignition controlled extra switches with overload protection	<input type="checkbox"/>	<input type="checkbox"/>
Tractor protection valve trailer hand control brake valve	<input type="checkbox"/>	<input type="checkbox"/>
Digital voltage display integral with driver display	<input type="checkbox"/>	<input type="checkbox"/>
Single electric windshield wiper motor with delay	<input type="checkbox"/>	<input type="checkbox"/>
Marker light switch integral with headlight switch and dual connectors and switch for customer furnished snowplow lights	<input type="checkbox"/>	<input type="checkbox"/>
Low beams off with high beams	<input type="checkbox"/>	<input type="checkbox"/>
Two-valve parking brake system with warning indicator	<input type="checkbox"/>	<input type="checkbox"/>
Self-canceling turn signal switch with dimmer	<input type="checkbox"/>	<input type="checkbox"/>
washer/wiper and hazard in handle	<input type="checkbox"/>	<input type="checkbox"/>
Integral electronic turn signal flasher with hazard lamps overriding stop lamps	<input type="checkbox"/>	<input type="checkbox"/>
<u>FINISH</u>		
Paint: one solid color – shall be chosen from color chart at time of order	<input type="checkbox"/>	<input type="checkbox"/>
Entire truck chassis, underside of cab and underside of body to be coated with Tectyl 2423 haps free black, which is a low VOC, high solids, emulsion corrosion Preventive coating, or equal	<input type="checkbox"/>	<input type="checkbox"/>
Color: black	<input type="checkbox"/>	<input type="checkbox"/>
Dry film: firm/flexible solvent: mineral spirits flash point °f: 104°f application	<input type="checkbox"/>	<input type="checkbox"/>
<u>COLOR</u>		
Standard black bumper paint	<input type="checkbox"/>	<input type="checkbox"/>
Sunvisor painted same as cab color a standard e coat/undercoating	<input type="checkbox"/>	<input type="checkbox"/>
<u>EXTENDED WARRANTY</u>		
Cummins engine Carb 22: X12 HD 1 5 years/ 200,000 miles extended warranty	<input type="checkbox"/>	<input type="checkbox"/>
Allison 4500 RDS series transmission extended warranty, 7 years/unlimited miles	<input type="checkbox"/>	<input type="checkbox"/>
Towing: 5 years/unlimited miles	<input type="checkbox"/>	<input type="checkbox"/>
Ext chassis ATS: standard moderate/vocational 5 years/200,000 miles extended coverage	<input type="checkbox"/>	<input type="checkbox"/>
<u>ACCESSORIES</u>		
Full set of all filters – fuel, oil, air, and cabin	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

DUMP BODY SPECIFICATIONS - BRANDON BODY MEDIUM DUTY CROSSMEMBERLESS STAINLESS DUMP BODY

GENERAL

The dump body required under these specifications shall be constructed of 304 stainless steel. Unit shall consist of a heavy duty body, hydraulic hoist, hydraulic pump, cab shield, safety accessories, and all other components necessary to make up a complete operating unit. The body and hydraulic hoist shall be manufactured by the same company. Hoist shall be class 50 NTEA rated telescopic.

☐ ☐

MINIMUM BODY DIMENSIONS

Inside length: 14'

☐ ☐

Inside width: 87"

☐ ☐

Overall width: 9611

☐ ☐

Side height: 4011

☐ ☐

End height: 4411

☐ ☐

Rear post height: 4411

☐ ☐

Capacity: 13.3 cubic yards water level cab shield: 87" wide x 24" projection

☐ ☐

MINIMUM BODY CONSTRUCTION

Sides & front: 7 gauge, 304 SS one piece formed sides: 304 Stainless Steel smooth one piece formed

☐ ☐

Floor: 3/1611 Brinell 450 floor

☐ ☐

Tailgate: 7 gauge 304 SS

☐ ☐

Tailgate panel: 2-panel straight tailgate with flame cut SS

☐ ☐

Hardware latching: air operated opening and latching

☐ ☐

Oak wood side boards: 2" x 411 side boards shall be placed on both sides of dump body

☐ ☐

Tailgate: single acting tailgate & SS tailgate latch system tailgate safety: Two (2) tailgate safety door lock-chains & anchors air cylinder: air cylinder tailgate

☐ ☐

Longsills: 811 I-beam 3/16" Brinell 250 cab shield mounted on body

☐ ☐

Cab shield projection: 24" projection SS corner posts: front & rear

☐ ☐

Banjo eyes: Two (2) banjo eyes on rear, low & high position rear post cut outs: one (1) set LED stop/turn/tail light

☐ ☐

Rear post cut outs: One (1) set LED class 1 amber 611 oval strobes rear post cut outs: (1 set) led back up light

☐ ☐

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

DUMP BODY SPECIFICATIONS - BRANDON BODY MEDIUM DUTY CROSSMEMBERLESS STAINLESS DUMP BODY (CONT'D)

MINIMUM BODY CONSTRUCTION (CONT'D)

Body prop: driver side	<input type="checkbox"/>	<input type="checkbox"/>
Ladder: SS fold up ladder driver's side	<input type="checkbox"/>	<input type="checkbox"/>
Walk rail: grip strut safety walk rail (both sides of body)	<input type="checkbox"/>	<input type="checkbox"/>
Holder: SS shovel holder driver side- bolt on- mid mount of body hoist: Mailhot telescopic trunnion mount double acting cylinder cylinder mount: 35 ton cylinder block & 24 ton cradle	<input type="checkbox"/>	<input type="checkbox"/>
Hoist spec: NTEA class 50 mud flaps: (1) set mud flaps	<input type="checkbox"/>	<input type="checkbox"/>
Under body paint: painted black tailgate spreader chain kit	<input type="checkbox"/>	<input type="checkbox"/>
One (1) oval stop/tail/turn light cutouts in rear corner post	<input type="checkbox"/>	<input type="checkbox"/>
Wiring for standard dump body lights enclosed in a sealed waterproof wiring harness. Split loom not acceptable	<input type="checkbox"/>	<input type="checkbox"/>
One (1) stainless steel grab handle, driver side front	<input type="checkbox"/>	<input type="checkbox"/>
3M reflective tape on both sides of body and on 6-panel tailgate	<input type="checkbox"/>	<input type="checkbox"/>

ACCESSORIES

12-volt safety lighting:	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Six (6) led amber strobe lights 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Two (2) recessed into rear post 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Two (2) sides of cab shield 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Two (2) front of cab shield 	<input type="checkbox"/>	<input type="checkbox"/>
All body lights shall be LED	<input type="checkbox"/>	<input type="checkbox"/>
30-ton pintle hook	<input type="checkbox"/>	<input type="checkbox"/>
1" pull plate with 5/8" d-rings	<input type="checkbox"/>	<input type="checkbox"/>
7-way, round trailer Pollak-type plug with a removable end	<input type="checkbox"/>	<input type="checkbox"/>
One (1) set of Meyer saber plow lights mounted on hood of chassis with stainless steel mounts	<input type="checkbox"/>	<input type="checkbox"/>
Two (2) forward facing strobe lights mounted on snowplow lights bracket to be powered by its own switch	<input type="checkbox"/>	<input type="checkbox"/>
Electric brake controller to control	<input type="checkbox"/>	<input type="checkbox"/>
7-way flat trailer Pollak type plug with a removable end	<input type="checkbox"/>	<input type="checkbox"/>
Glad hand at rear of pintle hook. Location to be determined by county	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>PIONEER MODEL EDD 1500D TARP SPECIFICATIONS</u>		
Side mount	<input type="checkbox"/>	<input type="checkbox"/>
Roller assembly-telescopic- 3-piece	<input type="checkbox"/>	<input type="checkbox"/>
Left roller tube: 2.140 O.D. x 2.000 I.D. 6105-T6 aluminum extrusion with UHMW bushing and stainless steel roll pin to accept motor shaft	<input type="checkbox"/>	<input type="checkbox"/>
Right roller tube: 2.140 O.D. x 2.000 I.D. 6105-T6 aluminum extrusion with UHMW bushing.	<input type="checkbox"/>	<input type="checkbox"/>
1" O.D. 6061-T6 aluminum shaft and stainless steel roll pin center section: 1.960" O.D. x 1.820 I.D. 6105-T6 aluminum extrusion	<input type="checkbox"/>	<input type="checkbox"/>
Bearing plates: ¼" H.R.S.	<input type="checkbox"/>	<input type="checkbox"/>
Bearings: flange mounted sealed ball bearings roll mounting angles: 1 ½" x 2" x ¼" steel angle	<input type="checkbox"/>	<input type="checkbox"/>
Direct drive gear motor: mounted directly to left side roller	<input type="checkbox"/>	<input type="checkbox"/>
Worm & wheel configuration: permanently lubricated sealed gearbox. 90 to 1 ratio	<input type="checkbox"/>	<input type="checkbox"/>
Output shaft shall be supported by ball bearings on both ends.	<input type="checkbox"/>	<input type="checkbox"/>
Output shaft shall be directly coupled to left side roller	<input type="checkbox"/>	<input type="checkbox"/>
Electric motor is .85 horsepower.	<input type="checkbox"/>	<input type="checkbox"/>
Aluminum gearbox housing.	<input type="checkbox"/>	<input type="checkbox"/>
Plastic protective cover.	<input type="checkbox"/>	<input type="checkbox"/>
¾" O.D. output shaft.	<input type="checkbox"/>	<input type="checkbox"/>
Motor is thermally protected by automatic resetting circuit breaker.	<input type="checkbox"/>	<input type="checkbox"/>
Pivot arms: 1.745" O.D. x 1.405" I.D. 6105-T6 aluminum extrusion with .250 w x .94 l reinforcing fin on one side and .75 w x .50 l reinforcing block on other side.	<input type="checkbox"/>	<input type="checkbox"/>
Overall height to be 3.185"	<input type="checkbox"/>	<input type="checkbox"/>
Rear section: 13/4" O.D. x 170 wall 6061-T6 aluminum extrusion bows: 13/8" O.D. x .125 wall 6105-T4 aluminum extrusion	<input type="checkbox"/>	<input type="checkbox"/>
Arm mounting brackets: steel weldment base plate: ¼" H.R.S.	<input type="checkbox"/>	<input type="checkbox"/>
Mounting hub: 4" O.D. steel tube	<input type="checkbox"/>	<input type="checkbox"/>
Spring: reverse wound torsion spring-½" diameter wire per ASTM A229 class I	<input type="checkbox"/>	<input type="checkbox"/>
<u>FABRIC</u>		
100% polyester, 1000 denier, black HD mesh, 13 oz. per square yard.	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>CONSTRUCTION</u>		
Seamless front to rear, rectangular in shape, 85" wide, grommets on front & sides, pocket at rear.	<input type="checkbox"/>	<input type="checkbox"/>
<u>WIRING AND ELECTRICAL</u>		
All wire shall be 8 gauge stranded cable, all connectors shall be ring type.	<input type="checkbox"/>	<input type="checkbox"/>
High amperage self-centering rotary switch (momentary on/off - momentary on).	<input type="checkbox"/>	<input type="checkbox"/>
Thermal reset circuit breaker (auto reset).	<input type="checkbox"/>	<input type="checkbox"/>
<u>PTO</u>		
PTO shall be of a hot shift design driven off the Allison automatic transmission.	<input type="checkbox"/>	<input type="checkbox"/>
PTO shall have a direct mount rotatable pump flange.	<input type="checkbox"/>	<input type="checkbox"/>
There shall be a console mounted rocker switch to engage and disengage the PTO.	<input type="checkbox"/>	<input type="checkbox"/>
Model shall be Chelsea, or equal	<input type="checkbox"/>	<input type="checkbox"/>
<u>HYDRAULIC PUMP WITH PTO</u>		
Shall be on an open circuit axial piston design with adjustable compensator	<input type="checkbox"/>	<input type="checkbox"/>
Pump operating pressure must adjust to the actual load pressure plus a pressure differential required for the controlled action	<input type="checkbox"/>	<input type="checkbox"/>
When the system is not demanding power, the load sense control will operate in an energy-saving stand-by mode	<input type="checkbox"/>	<input type="checkbox"/>
Minimum pump displacement shall be 80CC/ 4.9 cubic inches, delivering 42 GPM at 2,000 rpm	<input type="checkbox"/>	<input type="checkbox"/>
Pump minimum displacement shall be 90 cubic centimeters continuously rate at 350 bar (5,000 psi). Standby pressure shall be 350 psi	<input type="checkbox"/>	<input type="checkbox"/>
Mounting is an SAE C 4-bolt flange shaft is 1.25" diameter, 14 tooth splined	<input type="checkbox"/>	<input type="checkbox"/>
Rpm is rated to 2300 (continuous) with pressure and flow compensator control	<input type="checkbox"/>	<input type="checkbox"/>
Rear ported, flange mounted suction port shall meet the following requirements:	<input type="checkbox"/>	<input type="checkbox"/>
• Suction port minimum 2.5"		
• Must use (4) M8 x 16-8.8 mounting bolts		
The rear SAE ported pressure port shall meet the following requirements:	<input type="checkbox"/>	<input type="checkbox"/>
• pressure port minimum 1"		
• SAE-16 o-ring boss		
The hydraulic system must include a low oil shutdown with momentary override.	<input type="checkbox"/>	<input type="checkbox"/>
The system shall disengage the PTO is a low oil scenario should occur.	<input type="checkbox"/>	<input type="checkbox"/>
The operator will have the ability to temporarily override the shutdown to park all hydraulic implements for travel.	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>MOUNT</u>		
Pump must mount directly to a PTO on Allison 4500 series, or equal, transmissions without requiring bent axis or external mounting hardware	<input type="checkbox"/>	<input type="checkbox"/>
Pump must offer mounting flanges in SAE and ISO configurations, and ports are offered in SAE and ISO tube and flange versions.	<input type="checkbox"/>	<input type="checkbox"/>
<u>CONTROL VALVE GRENSON VALVE WITH PRIORITY FLOW INLET</u>		
Central hydraulic valve system shall be a mobile design to withstand exposure to deicing chemicals and severe weather conditions.	<input type="checkbox"/>	<input type="checkbox"/>
System shall provide hydraulic fluid to operate the dump body hoist, front plow, and granular spreader system.	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic system shall be able to run all hydraulic functions simultaneously without inhibiting the action of the others.	<input type="checkbox"/>	<input type="checkbox"/>
Valve sections shall be of cast iron, horizontally stackable, and serviceable without disassembly.	<input type="checkbox"/>	<input type="checkbox"/>
Directional control valves shall be pre-compensated, proportional, and load independent	<input type="checkbox"/>	<input type="checkbox"/>
Valve system shall be closed center for variable displacement	<input type="checkbox"/>	<input type="checkbox"/>
Pump valve sections must be adjustable for pressure up to 5,500 psi and flow ratings up to 40 gpm	<input type="checkbox"/>	<input type="checkbox"/>
Each valve must be laminar flow design for minimal pressure drop.	<input type="checkbox"/>	<input type="checkbox"/>
Each section must be manually activated with manual push/pull cables	<input type="checkbox"/>	<input type="checkbox"/>
There shall be a main pressure relief set at 2,400 psi to protect against system over-pressurization	<input type="checkbox"/>	<input type="checkbox"/>
Hoist section must be a PVG 100, 40 gpm 4-way section for double acting hoist	<input type="checkbox"/>	<input type="checkbox"/>
Plow lift and angle sections are also 4-way for double acting cylinders with crossover relief	<input type="checkbox"/>	<input type="checkbox"/>
Spreader section shall have detent on one side of valve and self-centering on reverse	<input type="checkbox"/>	<input type="checkbox"/>
All hydraulic hoses must be bulkhead mounted with metal tube style connectors.	<input type="checkbox"/>	<input type="checkbox"/>
All tubes shall be labeled with the hydraulic operation	<input type="checkbox"/>	<input type="checkbox"/>
<u>SPREADER CONTROL</u>		
Spreader control shall be a dual knob valve with on/off handle	<input type="checkbox"/>	<input type="checkbox"/>
Shall have individual flow adjustment knobs for the spinner and auger shall include a relief cartridge to protect the motors in the event of a material jam	<input type="checkbox"/>	<input type="checkbox"/>
Valve shall feature spinner priority to reduce material pile up from the auger at low flow conditions	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>CABLE CONTROLS</u>		
Control valve shall be shifted via sealed cable assemblies	<input type="checkbox"/>	<input type="checkbox"/>
Cable assembly shall feature a polyethylene conduit with armor over braid and Teflon liner	<input type="checkbox"/>	<input type="checkbox"/>
Cable assembly shall be rated for a minimum of 100 lbs. of pull and 80 lbs. of push	<input type="checkbox"/>	<input type="checkbox"/>
Cables shall be attached to the hydraulic valve with clevis pin and locking clips	<input type="checkbox"/>	<input type="checkbox"/>
Cable to be attached to an in cab handle.	<input type="checkbox"/>	<input type="checkbox"/>
Handle will be mounted in a location convenient to the operator.	<input type="checkbox"/>	<input type="checkbox"/>
The handle shall feature cast base construction with steel internal parts and be rated for 80 lbs. of output force.	<input type="checkbox"/>	<input type="checkbox"/>
A knob with identification label will be attached to the end of the handle	<input type="checkbox"/>	<input type="checkbox"/>
<u>RESERVOIR/VALVE ENCLOSURE</u>		
Reservoir must be constructed of 10 gauge stainless steel.		
Reservoir/valve enclosure shall be 40 gallon capacity with an integrated covered mounting area for the valve. All plumbing for the hydraulic valve inside the enclosure shall be SAE rated stainless steel tubing and terminate on the front of the reservoir with JIC bulkhead connectors.	<input type="checkbox"/>	<input type="checkbox"/>
The breather cap shall be mounted to an inspection lid.	<input type="checkbox"/>	<input type="checkbox"/>
Inspection lid shall also provide for an in-tank mounted return line filter.	<input type="checkbox"/>	<input type="checkbox"/>
The filter assembly shall incorporate a 10 micron 50 gpm filter element with a 25 psi bypass.	<input type="checkbox"/>	<input type="checkbox"/>
The reservoir will include a twist off filler/breather assembly with 40 micron vent filter and a fill screen. Reservoir shall be complete with a sight temperature gauge and a magnetic drain plug. Suction port will allow for	<input type="checkbox"/>	<input type="checkbox"/>
Installation of a 2" NPT 50 gpm suction screen. Suction screen shall have a 3 to 5 psi bypass spring. A 2" full flow ball valve shall be installed in the suction line. Removing of a lid to access the filter and breather cap is not accept able. The reservoir shall have a float switch to control PTO operation in the event of low oil.	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>SPX301 AMERICAN ROADS TRITON SNOWPLOW - STEEL MOLDBOARD TUBE TABLE POWER INFINITE REVERSING FULL PLOW SPECIFICATIONS</u>		
<u>MOLDBOARD</u>		
Dimensions shall be: 11' L X 42" H	<input type="checkbox"/>	<input type="checkbox"/>
Material shall be 10 gauge carbon steel smooth rolled profile providing ultra-smooth surface for snow deflection and stop at the top of the bottom angle to allow replacement of angle.	<input type="checkbox"/>	<input type="checkbox"/>
Overhang from cutting edge shall have minimum 12" overhang with 10° attack angle.	<input type="checkbox"/>	<input type="checkbox"/>
Top of moldboard shall be reinforced by 2 ½" x 2 ½" x 3/8" angle iron.	<input type="checkbox"/>	<input type="checkbox"/>
Bottom of moldboard shall be reinforced by 4 x 4 x ¾" angle iron and drilled to accommodate AASHTO standards.	<input type="checkbox"/>	<input type="checkbox"/>
Ribs shall be 3" tall at the top edge by ½" wide.	<input type="checkbox"/>	<input type="checkbox"/>
Ribs shall be spaced to match support arm locations as well as provide adequate support of the moldboard.	<input type="checkbox"/>	<input type="checkbox"/>
A total of 12 ribs shall be used per moldboard assembly.	<input type="checkbox"/>	<input type="checkbox"/>
Three (3) sets of double ribs and six (6) single ribs.	<input type="checkbox"/>	<input type="checkbox"/>
Each rib shall have a ½" relief at the corners where they attach to the reinforcement angles. This allows water to drain off the back of the moldboard during storage.	<input type="checkbox"/>	<input type="checkbox"/>
At the bottom of each rib there shall be three 1 5/16" holes spaced at 1 7/8" center to center to allow for semi-circle height adjustment	<input type="checkbox"/>	<input type="checkbox"/>
Two sets of double ribs shall have three 1 5/16" holes spaced at 2 ¼" center to center to allow for attack angle adjustment.	<input type="checkbox"/>	<input type="checkbox"/>
Weldments on the moldboard shall be continuous.	<input type="checkbox"/>	<input type="checkbox"/>
Outer and the two center ribs of moldboard shall be drilled for marker installation.	<input type="checkbox"/>	<input type="checkbox"/>
Two (2) curb guards mounted each side of moldboard.	<input type="checkbox"/>	<input type="checkbox"/>
<u>TRIP MECHANISM CONSTRUCTION</u>		
Plow shall be full trip design consisting of two (2) coil springs	<input type="checkbox"/>	<input type="checkbox"/>
Springs shall be ¾" wire with a coil od of 5 9/16", consisting of 16 full coils bottom angle shall be reinforced by eleven (11) ½" thick gussets spaced evenly to avoid interference with cutting edge attachment hardware cutting edge shall be 6" x 5/8" x 11' long and is drilled to AASHTO standards cutting edge shall be secured using 5/8" grade 8 carriage bolts	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

SPX301 AMERICAN ROADS TRITON SNOWPLOW - STEEL MOLDBOARD
TUBE TABLE POWER INFINITE REVERSING FULL PLOW SPECIFICATIONS
(CONT'D)

PUSH FRAME

Push frame shall be designed to hydraulically reverse the moldboard in an arc at any angle from 35 degrees left to 35 degrees right from a centered position.

☐ ☐

Push frame shall be constructed from a ½" plate.

☐ ☐

Push frame shall be supported above and below the semi-circle with 2 x 4 x 3/16" tubing.

☐ ☐

Push frame shall be drilled to accept 1 ½" 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 contoured to match the male portion on the semi-circle.

☐ ☐

Rear of push frame shall be drilled to accept a removable qcp adapter. Three sets of 1 3/16" holes shall be drilled on 2" centers to allow for installation on a variety of trucks and hitches.

☐ ☐

Two holes shall be located on the top and bottom push frame plates drilled to accept 1 ½" bolts for hydraulic cylinder attachment.

☐ ☐

All welds must 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 5 x 5 x 5 1/16" is 120" long spanning the entire width of the moldboard.

☐ ☐

This tube shall be constructed from one continuous piece.

☐ ☐

There shall be four stops placed appropriately to prevent the plow from turning past 35° left or right.

☐ ☐

Crank style jackleg (part #0091215) to be mounted on backside of semi-circle hydraulic cylinder mounting points shall be ½" plates welded to the top and bottom of the semi-circle.

☐ ☐

Plates shall be drilled to accept 1 ½" 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.

☐ ☐

In the center of the semi-circle, a hole shall be drilled to accept the 1 ½" grade 8 bolt that acts as the pivot point for the push frame. Also, at this point above and below the semi-circle shall be the male portion of the socket that relieves stress from the bolted connection.

☐ ☐

This shall be made from 1" plate steel and contoured to match the female portion on the push frame.

☐ ☐

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

SPX301 AMERICAN ROADS TRITON SNOWPLOW - STEEL MOLDBOARD TUBE TABLE POWER INFINITE REVERSING FULL PLOW SPECIFICATIONS (CONT'D)

PUSH FRAME

Tabs shall be welded on the push frame to accept ½11 screw type chain shackles. These tabs shall be made from ½11 plate steel 5 ¼11 long and 2 ½" wide. They shall be welded to the back side of the 511 tubular push beam to increase the weld surface area. They shall be welded at 55 degrees from the bottom of the semi-circle to match the chain angle going to the lift arm on the hitch.

☐ ☐

There shall be seven (7) sets of 3/411 thick moldboard mounting ears installed along the push beam for attachment of the moldboard. Moldboard shall pivot at these points on 1 ¼" 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 (2) outer sets on either side of the push beam) shall have an inside spacing of ¾" to accept a single ½" moldboard rib. Three (3) sets of the moldboard mounting ears (the center sets) shall have an outside spacing of 2 ¾" to fit inside double moldboard ribs.

☐ ☐

Moldboard attachment ears shall be gusseted with 4" triangular steel gussets.

☐ ☐

The 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.

☐ ☐

ADJUSTABLE CAST MUSHROOM SHOES

Plow to be fitted with adjustable cast steel mushroom shoes mounted left and right on rear of semi-circle.

☐ ☐

A ½" steel plate to be welded onto the semi-circle rear with five (5) adjusting holes for overall height.

☐ ☐

Adjusting handle crank to be storable against the shoe housing and allow up and down movement of the shoe via threaded screw.

☐ ☐

A 1 ¼" screw with adjusting nut are housed in a 311 square shoe housing with a welded on 5-hole mounting plate cast steel mushroom plow shoe has 6" bolt centers, ¾" square holes and is 10.625" in diameter and 2.34 inches thick.

☐ ☐

Grade 8 hardware shall be used throughout.

☐ ☐

HYDRAULICS

Plow angle shall be controlled by two (2) double acting hydraulic cylinders each cylinder shall have a 4" bore with an 8" rod diameter with a maximum operating pressure of 3000 psi.

☐ ☐

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

SPX301 AMERICAN ROADS TRITON SNOWPLOW - STEEL MOLDBOARD TUBE TABLE POWER INFINITE REVERSING FULL PLOW SPECIFICATIONS (CONT'D)

HYDRAULICS (CONT'D)

Retracted cylinder length shall be 21" with both the rod and cylinder ends accepting 1 ½" bolts/pins for connecting to the semi-circle and push frame.

☐ ☐

Plow shall be equipped with one crossover relief valve. Valve shall use ½" ports and be set to a relief pressure of 1000 psi.

☐ ☐

QCP

Push frame shall be 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 13.8# channel QCP side plate shall be ½" formed plate.

☐ ☐

QCP loop diameter shall be 2".

☐ ☐

PAINT

Paint shall be of high quality, free of runs, overspray, and defects standard paint type shall be epoxy.

☐ ☐

SPH A-152 ARM BUMPER TO FRAME PLOW HITCH SPECIFICATIONS

HITCH FRAME

Frame shall be heavy duty, low profile, front frame mounted style, designed for use with trucks equipped with a tilt hood and stationary grille.

☐ ☐

Snow plow hitch must clear hood when open.

☐ ☐

The 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 shall be constructed from 4 x 4 x 3/8" square tubing.

☐ ☐

Cylinder support bracket on the hitch shall be constructed from 3 ½" x 3 ½" x ½" angle fully welded to both vertical supports.

☐ ☐

The two (2) cylinder mounting tabs shall be ½" steel placed in the center of support bracket and spaced at 2 1/8" apart.

☐ ☐

Each tab shall be drilled to accept a 1" pin.

☐ ☐

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

SPH A-152 ARM BUMPER TO FRAME PLOW HITCH SPECIFICATIONS (CONT'D)

HITCH FRAME (CONT'D)

The upper horizontal support of the hitch shall be constructed of two (2) pieces:

• The first is 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 (1) of two (2) points. The lift arms connection tabs are welded.

☐ ☐

• The second horizontal support is a 1/2" contoured plate that allows the lift cylinder to be stored and provides a second mounting point for the lift arm connection tabs.

☐ ☐

There shall be two (2) pairs of lift arm support shackles. Each pair shall be made from 1/2" x 9 3/4" plate and drilled to accept 1 1/4" pins.

☐ ☐

Fully welded to the vertical supports shall be two (2) C 8 x 18.75 channels with 1/2" thick end plates.

☐ ☐

The end plates shall be drilled to accept six 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.

☐ ☐

PIN LOCK QUICK CONNECT PLATE

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 shall be 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 too high while hitching.

☐ ☐

In front of the QCP assembly shall be two (2) 1/2" thick form bumpers. These bumpers are the resting/pushing point for the plow. They shall be curved to allow the plow to raise and lower smoothly.

☐ ☐

Lock pin shall be 2", tapered at one end for ease in guiding into position, and has tabs welded to the other for the lift bar attachment.

☐ ☐

HEAVY DUTY LIFT ARM ASSEMBLY

Heavy duty lift arm shall be an extendable style with seven different extended positions.

☐ ☐

Frame of the lift arm shall be constructed from 1/2" x 4" steel plate that is formed to contour the outer tube of the extendable arm.

☐ ☐

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>SPH A-152 ARM BUMPER TO FRAME PLOW HITCH SPECIFICATIONS (CONT'D)</u>		
<u>HITCH FRAME (CONT'D)</u>		
This frame is also the connection point to the hitch and hydraulic cylinder.	<input type="checkbox"/>	<input type="checkbox"/>
The external tube shall be constructed of 411 heavy wall square tubing.	<input type="checkbox"/>	<input type="checkbox"/>
On each end of the tube are 1" wide bushings ground to fit the inner tube. This ensures a tight long lasting fit.	<input type="checkbox"/>	<input type="checkbox"/>
Top plate on the lift arm shall be 3/16" and is used to prevent "racking" of the frame.	<input type="checkbox"/>	<input type="checkbox"/>
The inner tube shall be constructed of 3" heavy wall square tubing.	<input type="checkbox"/>	<input type="checkbox"/>
Tubing is drilled to allow for the seven (7) different extended positions.	<input type="checkbox"/>	<input type="checkbox"/>
Lift arm assembly shall be welded to the square tubing.	<input type="checkbox"/>	<input type="checkbox"/>
Tubing shall be drilled to allow for the seven different extended positions.	<input type="checkbox"/>	<input type="checkbox"/>
Welded to the front of the inner tube shall be a formed ½" plate with notches to accept standard ½" link chain. When required this plate can be shall be changeable to match different level lift systems.	<input type="checkbox"/>	<input type="checkbox"/>

OPTIONS

1A. V-Box Spreader Specifications

General

14 7 series v-box hopper style salt and sand spreader. Spreader shall be capable of hauling and spreading free flowing granular materials. Unit shall consist of a 304 stainless steel body, rear discharge conveyor, spinner disk, power drive and all components necessary to make a complete operating unit. Unit shall be manufactured in the USE by an ISO 9001:2008 certified company.

☐ ☐

Body

10 yard capacity

☐ ☐

Inside length of hopper shall be 14' at top and 12' at bottom inside top width shall be 82".

☐ ☐

Side slope to be 45° minimum.

☐ ☐

Front panel slopes shall be a minimum of 18° hopper seams shall be continuous welded on inside.

☐ ☐

Sides, ends and side supports shall be 10 gauge 304 stainless steel top edge of hopper is formed "J" channel 2" x 1 ½".

☐ ☐

Auger trough shall be 10 gauge 304 stainless steel longsills shall be 10 gauge 304 stainless steel.

☐ ☐

Cross sills shall be formed 7 gauge 304 stainless steel welded to side supports.

☐ ☐

Lift hooks on each corner are 5/8" stainless steel round bar all hardware is stainless steel.

☐ ☐

3/8" rod on 3/8" rod top grate screens with anti-freeze hinges are required equipment with auger conveyor v-box units.

☐ ☐

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS (CONT'D)</u>		
<u>1A. V-Box Spreader Specifications (Cont'd)</u>		
Auger Requirements		
Twin 7" diameter hard faced variable pitch augers with direct drive hydraulic motor.	<input type="checkbox"/>	<input type="checkbox"/>
Motor is directly coupled to end of auger shafts.	<input type="checkbox"/>	<input type="checkbox"/>
Auger shafts connect at front with a 2" 4-bolt flange bearing rear auger drive has no motor guard bolted to rear.	<input type="checkbox"/>	<input type="checkbox"/>
One (1) LED spreader light mounted to spreader box.	<input type="checkbox"/>	<input type="checkbox"/>
Light bar mounted to rear of spreader at top.	<input type="checkbox"/>	<input type="checkbox"/>
Spinner Chute Assembly		
10 gauge 3 04 stainless steel	<input type="checkbox"/>	<input type="checkbox"/>
Four (4) position telescopic adjustment.	<input type="checkbox"/>	<input type="checkbox"/>
Four (4) bottom spinner deflectors shall be overlapping to prevent loss of granular material when the deflectors are raised.	<input type="checkbox"/>	<input type="checkbox"/>
Front deflector shall be fixed.	<input type="checkbox"/>	<input type="checkbox"/>
Bottom overlapping spinner deflectors shall have four (4) positions of rod and pin adjustment without tools. Chain adjustable deflectors are not acceptable.	<input type="checkbox"/>	<input type="checkbox"/>
Poly 20" diameter spinner disc shall have replaceable machined hub spinner hydraulic motor shall mount directly on bottom of spinner disc.	<input type="checkbox"/>	<input type="checkbox"/>
Paint		
All metal surfaces shall be high pressure cleaned with a phosphate solution to remove slag, splatter, oxide, and oil residue.	<input type="checkbox"/>	<input type="checkbox"/>
Non-stainless steel parts shall be painted or powder coated black.	<input type="checkbox"/>	<input type="checkbox"/>
304 stainless steel components unpainted.	<input type="checkbox"/>	<input type="checkbox"/>
Tailgate Lock Kit		
Main latch bar shall be 3" x 4.1 lb structural channel 84" wide.	<input type="checkbox"/>	<input type="checkbox"/>
Two (2) 3" x 4.1 lb x 811 structural channel with two (2) ½" x 1 ½" mounting hole shall be welded to main channel to bolt on spreader.	<input type="checkbox"/>	<input type="checkbox"/>
Two (2) 1 ¼" x 7" round stock tailgate latches to be welded to main channel.	<input type="checkbox"/>	<input type="checkbox"/>
Tie Down Kit		
Shall consist of four (4) chain style tie down assemblies chains shall be grade 30 3/8" x 29 links.	<input type="checkbox"/>	<input type="checkbox"/>
Top plate shall be ¼" x 4 triple broke ALOL 1 powder coated steel with banjo eye to accept 3/8" chain.	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (CONT'D)

1A. V-Box Spreader Specifications (Cont'd)

Tie Down Kit (Cont'd)

Tie down bracket shall be ¼" x 4" x triple broke ALOL 1 powder coated steel with 3/8" double link clevis to attach chain.

☐ ☐

¾" zinc plated turnbuckle to have grease fitting.

☐ ☐

¼" turnbuckle shall have ½" - 13 nut welded to center to secure turnbuckle.

☐ ☐

Galvanized Spreader Leg Stands

Main channels to be constructed of 2" x 6" x 7 gauge tubing crossmembers to be 3" structural channel.

☐ ☐

Telescoping rear legs to be constructed of 3 ½" x 3 ½" x 3/16" tubing adjustable front legs to pivot, constructed of 4" x 4" x 3/16" tubing 4" adjustable steel front roller wheels.

☐ ☐

Body guide wheels front and rear of stand.

☐ ☐

Light bar mounted on back of spreader with detachable plug.

☐ ☐

1B. 8' Under Tailgate Spreader Specifications

Meyer BL-960 Specifications

- Body width: 96"
- Hopper height: 19"
- Hopper width: 96"
- Hopper depth: 18"

☐ ☐

☐ ☐

☐ ☐

☐ ☐

Spread width: 4'-40' empty weight: 450 lbs. Spinner diameter: 18".

☐ ☐

Material movement: auger

Mounting method: under tailgate

Hopper material: stainless steel.

☐ ☐

Spreader material: salt or salt/sand mix.

☐ ☐

General

This under tailgate shall be of the bottom opening design.

☐ ☐

The spreader shall fasten to the corner posts of the dump body using spreader manufacturers' brackets and quick disconnect pins for quick mounting and removal without the use of special tools.

☐ ☐

This mounting shall allow the dumping of materials without interference from the spreader.

☐ ☐

This unit shall spread free flowing granular materials, abrasives and chemicals.

☐ ☐

This unit shall be factory adapted to accept automatic control systems (only with a sensored motor).

☐ ☐

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (CONT'D)

1B. 8' Under Tailgate Spreader Specifications (Cont'd)

General (Cont'd)

All stainless steel used in the production of this unit shall be corrosion resistant, non-magnetic stainless steel.

☐ ☐

The manufacturing and production of this unit shall be of the best commercial practices, and only materials of the finest quality shall be used.

☐ ☐

Trough

Rigid 10 ga stainless steel one piece end plates shall be continuously welded to a 10 gauge stainless steel auger trough & 3" x 1 ½" formed channel stainless steel rear member.

☐ ☐

The unit shall have a 10 gauge stainless steel three point hinged bottom door that when released, exposes the entire length of the auger for easy cleanout.

☐ ☐

This hinged bottom shall be held in place by two replaceable heavy duty cam locks with a lift handle for convenient one man operation.

☐ ☐

The anti-flow cover over the discharge opening shall be manufactured of 10 gauge stainless steel and removable without the use of tools.

☐ ☐

The 10 gauge stainless steel trough cover/backplate shall be one piece hinged integral part of the unit that may be raised when spreading and lowered for dumping operations.

☐ ☐

This cover shall be capable of being locked in either the raised or lowered position by two replaceable captivated latches.

☐ ☐

Drive

A direct drive coupled hydraulic motor shall be provided for driving the auger.

☐ ☐

This hydraulic motor shaft shall mount directly to the auger pipe by a non-corrosive sleeve and a ½" grade 8 bolt.

☐ ☐

The hydraulic motor shall mount directly to the end plate.

☐ ☐

There shall be two separate hydraulic "orbital type" motors capable of delivering high torque at low speeds to power both the auger and the spinner.

☐ ☐

The auger feed rate and spinner speed are both variable.

☐ ☐

Feed Mechanism

The 611 diameter (nominal) heavy duty auger shall consist of flights with outer edge at not less than .150 thickness, which is welded to a 2 7/8" diameter ERW pipe size tube.

☐ ☐

This auger shall have continuous and reverse flighting to the discharge port for more uniform dump body unloading, and shall be supported by 1 ¼" idler end shaft.

☐ ☐

The auger idler shaft shall be supported in sealed self-aligning precision single row radial ball bearing with grease fitting.

☐ ☐

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (CONT'D)

1B. 8' Under Tailgate Spreader Specifications (Cont'd)

Feed Mechanism (Cont'd)

The discharge port shall be located on the left side of the trough, approximately 21" in from the edge of the bottom door.

☐ ☐

The spreader shall be equipped with a safety interlock device to positively prevent power from reaching the auger motor when the top cover and bottom door are opened beyond the normal operation position.

☐ ☐

Spinner

The spinner shall consist of a disc and six (6) fins molded into a single polyurethane.

☐ ☐

Unit, resulting in a flat trajectory and uniform spread pattern from 4 to 40 feet in width.

☐ ☐

The spinner assembly shall be adjustable side to side, allowing for variable spread patterns left, right, and center of vehicle.

☐ ☐

This shall be accomplished by sliding the hinged frame sideways on the shaft so that the point at which the material hits the spinner disc is varied the entire spinner assembly shall be easily removed by pulling two pins, and uncoupling two hydraulic quick disconnect hoses.

☐ ☐

The spinner disc shall be mounted directly onto the hydraulic motor shaft by means of a cast iron spinner hub.

☐ ☐

The spinner shall be linked to the truck frame with a universally mounted parallel arm to keep the spinner horizontal to the road surface at all dump body angles a spinner shield shall be provided to prevent material from striking the truck.

☐ ☐

The spinner shall be adjustable in height in four positions.

☐ ☐

The entire spinner assembly shall be made of stainless steel except for the motor and the spinner disc.

☐ ☐

Mounting

This spreader shall fasten to the side of the dump box using quick disconnect pins for quick mounting and removal without the use of special tools.

☐ ☐

Paint

All stainless steel shall be chemically cleaned, but remain un-painted. Carbon steel components shall be chemically cleaned and coated with a leadfree rust inhibitive primer and painted with lead free black.

☐ ☐

1C. Heated Body Specifications

General

Heavy duty heated crossmemberless stainless steel dump body.

☐ ☐

Body shall be heated through diverter box with thermos-switch for activation with stainless steel piping.

☐ ☐

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (CONT'D)

1D. Chassis Upgrade to 74,000 GVWR

General

Upgrade to 74000 GVWR	<input type="checkbox"/>	<input type="checkbox"/>
22000 lb. Meritor front axle	<input type="checkbox"/>	<input type="checkbox"/>
23000 lb. front suspension	<input type="checkbox"/>	<input type="checkbox"/>
Meritor 16.5x6 q + high capacity cast spider cam front brakes	<input type="checkbox"/>	<input type="checkbox"/>
Michelin XZY-3 425/65R22.5 20 ply front tires	<input type="checkbox"/>	<input type="checkbox"/>
Accuride 29807 22.5x12.25 front rims	<input type="checkbox"/>	<input type="checkbox"/>
52000 lb. RT-52-185 T series tandem rear axle	<input type="checkbox"/>	<input type="checkbox"/>
Driver controlled traction differential rear most tandem only	<input type="checkbox"/>	<input type="checkbox"/>
1 inter axle lock and 1 driver controlled differential lock rear-rear Meritor 16.5x7 p cast spider cam rear brakes	<input type="checkbox"/>	<input type="checkbox"/>
Gunitite heavy weight cast iron brake drums 11Rx24.5 16 ply Michelin x multi drear tires	<input type="checkbox"/>	<input type="checkbox"/>
Accuride 24.5x8.25 rear rims	<input type="checkbox"/>	<input type="checkbox"/>
Tufrac Gen2 52000 lb. rear spring suspension	<input type="checkbox"/>	<input type="checkbox"/>

Minimum Body Dimensions for Chassis Upgrade

Inside length: 14'	<input type="checkbox"/>	<input type="checkbox"/>
Inside width: 87"	<input type="checkbox"/>	<input type="checkbox"/>
Overall width: 96"	<input type="checkbox"/>	<input type="checkbox"/>
Side height: 46"	<input type="checkbox"/>	<input type="checkbox"/>
End height: 50"	<input type="checkbox"/>	<input type="checkbox"/>
Rear post height: 50"	<input type="checkbox"/>	<input type="checkbox"/>
Capacity: 15.2 cubic yards water level cab shield: 87" wide x 24" projection	<input type="checkbox"/>	<input type="checkbox"/>

1E. Paint for Dump Body

☐ ☐

1F. Paint Colors Not on Standard Color Chart

☐ ☐

i.e.: Gem Green: W7515G or Chestnut

1G. Road Department Color Scheme

Dupont 4357A – School bus yellow from the bottom of the windows down. Academy blue # 5240 from the bottom of the windows up to and including cab roof and back, on hood from bottom of windshield to a point on the hood to make a “V” and match the road department fleet. (Note: Not all Vehicles will be painted this way).

☐ ☐

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (CONT'D)

1H. 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. Provide a list of all test/diagnostic/programming equipment and special tools being supplied at the time of bid. ☐ ☐
3. All software installations and activations will be completed by the successful bidder at no cost to the County. ☐ ☐
4. 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. ☐ ☐
5. 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. ☐ ☐
6. Training shall be provided on all items in this section at a County location. ☐ ☐
7. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software. ☐ ☐

1I. 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:

- #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.
- #12 AWG BLACK wire connected to chassis ground.
- #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 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (CONT'D)

1J. 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:

- #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.
- #12 AWG BLACK wire connected to chassis ground.
- #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.

☐ ☐

1K. Technical Support

Technical Support is to be provided by factory authorized technical representatives and shall 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:

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

☐ ☐

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 shall be allowed only with consent of Vehicle Services.

☐ ☐

Total training hours shall be provided and no additional compensation will be considered.

☐ ☐

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

☐ ☐

ITEM #1 – MODEL YEAR 2023 OR NEWER, FREIGHTLINER 114SD CHASSIS TANDEM TRUCK, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (CONT'D)

1K. Technical Support (Cont'd)

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

- 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)
- Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050

☐ ☐

Successful bidder shall provide Technical Support sessions for other Departments, which will be held at an Ocean County location specified by the requesting Department.

☐ ☐

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.

☐ ☐