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*Tristin J. Collins, Director, Management & Budget
Jennifer L. Bowens, Purchasing Agent*

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

BID

MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS NO. II

2023

ADVERTISEMENT DATE: August 2, 2023

OPENING: August 22, 2023, 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 VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS NO. II** for the County of Ocean, will be received by the Purchasing Agent of the County of Ocean on **Tuesday, August 22, 2023** 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:

JOSEPH H. VICARI, 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: jhannold@co.ocean.nj.us

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

Department:

Vehicle Services

Timeline

Advertising Date	August 2, 2023
Bid Opening Date	August 22, 2023, 11:00am Administration Building, 101 Hooper Ave., Room 119, Toms River, NJ, 08753

IMPORTANT INSTRUCTIONS FOR ELECTRONIC SUBMITTAL

Instructions for Electronic Bid Submission

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

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

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

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

Follow the instructions to submit the electronic bid.

It is important to note that this process should be completed well in advance of the bid deadline / bid opening. DO NOT WAIT UNTIL THE LAST MINUTE. The County's electronic submission system will not allow electronic bids to be submitted once the deadline has passed, even if you've already started the process. The deadline is based on the countdown timer found on the 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 22, 2023.

Electronic Bid Submissions

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

Deadline Instructions

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

Completion of all Documents

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

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

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

Right to Reject

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

Bidder Default

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

Indemnity

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

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

Specifications

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

Bid Security

NO BID SECURITY

Performance Bond

NO PERFORMANCE BOND

Pricing Proposal

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

Pricing

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

Payment

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

Discrepancy in Pricing

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

Award Timeframe

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

Equal or Tie Bids

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

Tax Exempt

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

Equivalent Product

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

Quantities

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.

Specific Market Conditions for Motor Vehicles

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

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

Assignment

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

NJ One Call

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

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

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

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

Prevailing Wage & Labor Laws

The New Jersey Prevailing Wage Act (P.L. 1963, Chapter 150) and provisions of the State Labor Laws must be complied with by the successful bidder, if applicable. The current Prevailing Wage

Rates can be found online at <https://www.nj.gov/labor/wageandhour/prevaling-rates/public-works/currentprevailingwage.shtml>

New Jersey Business Registration Requirements

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

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

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

During the course of contract performance:

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

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

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

Pay to Play Requirements

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

Statement of Ownership

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

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.

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

Pursuant to N.J.S.A. 52:32-60.1, the “person or entity” (as defined in N.J.S.A. 52:32-60.1, et seq) seeking to enter into or renew a contract for the provision of goods or services or the purchase of bonds or other obligations shall certify that it is not “engaging in prohibited activities in Russia or Belarus” (as such term is defined in as defined in N.J.S.A. 52:32-60.1, et seq. If the person or entity is unable to certify, the person or entity shall provide a detailed and precise description of such activities. The N.J.S.A. 52:32-60.1 certification form must be completed prior to contract award and is provided in the specification documents (DocuSign).

Vendors may view the Precluded Entities List Here:

<https://www.nj.gov/treasury/administration/pdf/RussiaBelarusEntityList.pdf>

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.

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 VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS NO. II" .

INTENT

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

NO ASSIGNMENT

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

AVAILABILITY AND DELIVERY

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

OWNERSHIP DISCLOSURE

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

BID REVIEW

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

MODIFICATIONS & WITHDRAWALS

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

EVALUATION

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

TRANSITIONAL PERIOD

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

AVAILABILITY OF FUNDS

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

MANUALS

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

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

TRAINING AND TECHNICAL SUPPORT

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

COOLING SYSTEM PROTECTION

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

AIR CONDITIONING

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

FUEL & FLUIDS

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

STANDARD EQUIPMENT

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

DESIGN

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

REPAIRS

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

DEMONSTRATION

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

SERVICE

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

WARRANTY

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

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

DESCRIPTIVE LITERATURE AND TECHNICAL SPECIFICATIONS

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

USE OF OTHER NAMES AND REFERENCES

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

MODEL INFORMATION REQUIRED

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

ROLL-OVER MODEL YEAR

The County will consider any request for a contract roll-over to the next model year after the passing of the vehicle manufacturer's cut-off date, 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.

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)**
- Prohibited Russia-Belarus Activities & Iran Investment Activities

FAILURE TO SUBMIT ANY OF THESE DOCUMENTSMAY 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.

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

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

Images (jpg, png, bmp, tif)

Copy of Bidder's New Jersey Business Registration Certificate

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

Use this link to verify your company's BRC:

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

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

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

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

Images (jpg, png, bmp, tif)

Mandatory Equal Employment Opportunity Statement*

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

Yes

No

*Response required

Americans with Disabilities Act Provisions*

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

Yes

No

*Response required

Descriptive Literature and Warranty Details*

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

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

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

Images (jpg, png, bmp, tif)

*Response required

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 FOR MOTOR VEHICLES: VARIOUS BODIED HEAVY DUTY TRUCKS*

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

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

*Response required

ADDITIONAL VENDOR DOCUMENTATION

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

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

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

Images (jpg, png, bmp, tif)

Acknowledgement of Submission of Forms from Current Bid Package*

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

Please confirm

*Response required

Submission of Bid Package*

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

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

Please confirm

*Response required

PRICING PROPOSAL

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM, INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	Make/Model:	Warranty:	Delivery, A.R.O.:
5	Current Model Year, Or Newer, Ford F550 Regular Cab with Switch-N-Go Detachable Truck Body System, Including Accessories, As Specified, Or Equal	10	EA					
5a	9' Readily Detachable Western Snow Plow System, as Specified	10	EA					
5b	Cirrus Hydraulics System, As Specified	10	EA					
5c	Large Stainless Steel Vbox Spreader, As Specified	10	EA					
5d	Dump Body for 11' Floor Length, As Specified	10	EA					
5e	Stainless Steel Dump Body for 11' Floor Length, As Specified	10	EA					
5f	Platform 11' Overall Floor Length, As Specified	10	EA					
5g	Medium Duty Dump Box, As Specified	10	EA					

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	Make/Model:	Warranty:	Delivery, A.R.O.:
5h	Medium Duty Dump Box, High Sides, As Specified	10	EA					
5i	Manual Tarp, As Specified	10	EA					
5j	Stake Sides and Removable Rear Stakes, As Specified	10	EA					
5k	Horizontal Split Door for Use with Chipper Top, As Specified	10	EA					
5l	24" Deep Chipper Top, As Specified	10	EA					
5m	Coal Chute, As Specified	10	EA					
5n	Side Door in Drop Box, As Specified	10	EA					
5o	Mason Type Tarp, As Specified	10	EA					
5p	Split Doors for Drop Box for Chipper or Leaf Applications	10	EA					
5q	Fold Down Sides, Steel, As Specified	10	EA					
5r	Fold Down Sides, Aluminum, As Specified	10	EA					
5s	Road Department Paint Color Scheme, as Specified	10	EA					
5t	Light Package, As Specified	10	EA					

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	Make/Model:	Warranty:	Delivery, A.R.O.:
5u	Go Lights, As Specified	10	EA					
5v	Stainless Steel UTG Spreader, As Specified	10	EA					
5w	Flat Bed Service Body, As Specified	10	EA					
5x	Brine Water Tank, As Specified	10	EA					
5y	48" Under Body Tool Box, As Specified	10	EA					
5z	30" Under Body Tool Box, As Specified	10	EA					
5aa	Arbor Body, AB-11, As Specified	10	EA					
5bb	Van Body, As Specified	10	EA					
5cc	Work Ready Subframe, WRSF-11, As Specified	10	EA					
5dd	Maxscaper 12' Aluminum Landscaper Body Attachment, As Specified	10	EA					
5ee	Chipper Leaf Top for Landscaper, As Specified	10	EA					
5ff	Diagnostic Tools / Test Equipment, as Specified	3	SET					

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	Make/Model:	Warranty:	Delivery, A.R.O.:
5gg	Two-Way Radio Power and Wiring Requirements for New Vehicles, as Specified	10	EA					
5hh	Installation of County Supplied Two Way Radio and Accessories, as Specified	10	EA					
5ii	Technical Support, as Specified	180	HR					

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
CHASSIS SPECIFICATIONS		
Current Model Year, or newer Ford F550 Regular Cab with Steel Dump Body	<input type="checkbox"/>	<input type="checkbox"/>
Dual Rear Wheels, Four Wheel Drive	<input type="checkbox"/>	<input type="checkbox"/>
84" Cab to Axle (CA)	<input type="checkbox"/>	<input type="checkbox"/>
7.3L V8 gasoline engine	<input type="checkbox"/>	<input type="checkbox"/>
40 gallon fuel tank	<input type="checkbox"/>	<input type="checkbox"/>
TorqShift transmission with PTO option 19,000 lb. GVWR	<input type="checkbox"/>	<input type="checkbox"/>
Cab shall be military grade aluminum alloy for longevity to the County in lieu of carbon steel	<input type="checkbox"/>	<input type="checkbox"/>
Frame shall be fully boxed under cab and "C" channel behind cab	<input type="checkbox"/>	<input type="checkbox"/>
Oil life monitor, engine hour and engine idle hour meters	<input type="checkbox"/>	<input type="checkbox"/>
Air Conditioning	<input type="checkbox"/>	<input type="checkbox"/>
Airbags, frontal driver & passenger, side impact and side air curtains	<input type="checkbox"/>	<input type="checkbox"/>
TowCommand integrated trailer brake controller, manual telescoping trailer tow mirrors	<input type="checkbox"/>	<input type="checkbox"/>
7 wire trailer wiring harness (no plug)	<input type="checkbox"/>	<input type="checkbox"/>
AM/FM radio, SYNC4 Enhanced voice recognition communication and entertainment, 911 Assist, AppLink 4-2" LCD Center Screen, One (1) Smart charging USB Port	<input type="checkbox"/>	<input type="checkbox"/>
Power windows, locks, mirrors, and heated mirrors	<input type="checkbox"/>	<input type="checkbox"/>
Center High Mount Stop Lamp	<input type="checkbox"/>	<input type="checkbox"/>
240 amp HD alternator, 12V 750 CCA battery	<input type="checkbox"/>	<input type="checkbox"/>
Tilt and telescoping steering wheel	<input type="checkbox"/>	<input type="checkbox"/>
4.88 ratio limited slip axle	<input type="checkbox"/>	<input type="checkbox"/>
4 wheel power ABS brakes, front and rear disc, power steering, front and rear stabilizer bars	<input type="checkbox"/>	<input type="checkbox"/>
Quad-beam jewel-effect halogen headlamps, five (5) roof marker lights	<input type="checkbox"/>	<input type="checkbox"/>
LT225/70R19.5G BSW Traction tires – six (6)	<input type="checkbox"/>	<input type="checkbox"/>
One (1) full sized spare tire mounted to wheel and one (1) jack	<input type="checkbox"/>	<input type="checkbox"/>
Chrome front bumper, front tow hooks	<input type="checkbox"/>	<input type="checkbox"/>
Chrome hub covers, front bumper grill	<input type="checkbox"/>	<input type="checkbox"/>
Power Sliding Rear glass with defrost – sc/cc only	<input type="checkbox"/>	<input type="checkbox"/>
Remote Start	<input type="checkbox"/>	<input type="checkbox"/>
Halogen Fog Lamps	<input type="checkbox"/>	<input type="checkbox"/>
40/20/40 split vinyl bench seat with center arm rest	<input type="checkbox"/>	<input type="checkbox"/>
Auxiliary power point, six (6) upfitter switches located overhead center Tachometer, speedometer, oil pressure, transmission temp, engine temp, and fuel gauge	<input type="checkbox"/>	<input type="checkbox"/>
Interval windshield wipers	<input type="checkbox"/>	<input type="checkbox"/>
Driver & passenger grab handles	<input type="checkbox"/>	<input type="checkbox"/>
Standard XL Rear view camera and prep kit	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
CHASSIS SPECIFICATIONS (CONT'D)		
3-year/36,000 mile bumper-to-bumper warranty on OE components	<input type="checkbox"/>	<input type="checkbox"/>
5-year/60,000 mile powertrain warranty	<input type="checkbox"/>	<input type="checkbox"/>
Shift on the fly	<input type="checkbox"/>	<input type="checkbox"/>
Cab steps, molded black (running boards)	<input type="checkbox"/>	<input type="checkbox"/>
Snow plow prep package	<input type="checkbox"/>	<input type="checkbox"/>
Single color to be selected from standard color chart at time of order	<input type="checkbox"/>	<input type="checkbox"/>
Undercoating – entire truck chassis, underside of cab and underside of added body (dump, utility, platform) shall be coated with Tectyl 2423 Haps Free Black, or Z Guard Product, a low VOC, High Solids, Emulsion Corrosion preventing coating	<input type="checkbox"/>	<input type="checkbox"/>
SWITCH-N-GO SPECIFICATIONS		
This specification is for a detachable truck body system for vehicles with a GVWR less than 26,000 lbs. This system shall be run off a clutch pump hydraulic system for hoist and winch; electric is NOT ACCEPTABLE .	<input type="checkbox"/>	<input type="checkbox"/>
For emergency purposes, the body-upfitter must have a facility in New Jersey for parts and service.	<input type="checkbox"/>	<input type="checkbox"/>
GENERAL		
Switch-N-Go 11' Hydraulic Hoist System. Model 11-4016-ISH-10T GEN II 15,000 lbs. Winch Loading Capacity Hydraulic Winch & Hydraulic Hoist. Unlimited Winch Pulls per Day.	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic Pump Type:		
- Live Drive Style PTO'for operation while in gear	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic Pump Specifications:		
- 3000 PSI@, 12-15 GM.	<input type="checkbox"/>	<input type="checkbox"/>
Hose Size:		
- 1/2" Diameter Pressure Line, 3/4" Diameter Return Line.	<input type="checkbox"/>	<input type="checkbox"/>
The Hoist system must have a top frame with Steel wear strips.	<input type="checkbox"/>	<input type="checkbox"/>
Hoist system must use glass impregnated slide pads when loading/unloading the bodies. Polystone M (UHMW-PE) MPG glass filled material to be used.	<input type="checkbox"/>	<input type="checkbox"/>
Hoist system rear pivot pin size diameter needs to be a minimum of 1.5".	<input type="checkbox"/>	<input type="checkbox"/>
Hoist system hinge assembly to be designed and constructed of geometrically optimized 3/8" and 1/2" thick plate - specifically for loading and removal of interchangeable bodies.	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
GENERAL (Cont'd)		
Hoist system rear Body Hold Downs to be "Universal Style" to accept multiple body lengths.	<input type="checkbox"/>	<input type="checkbox"/>
Hoist system winch is required to have a clutch block-out for safety.	<input type="checkbox"/>	<input type="checkbox"/>
Prop Rod to be mounted within the hoist frame.	<input type="checkbox"/>	<input type="checkbox"/>
Swivel Hook for the winch cable.	<input type="checkbox"/>	<input type="checkbox"/>
Approx. Dumping Capacity 10.3 Ton	<input type="checkbox"/>	<input type="checkbox"/>
Pre-Plumbed Hydraulic Lines	<input type="checkbox"/>	<input type="checkbox"/>
Pre-installed In-line Filter Housing with Reusable Filter	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic Reservoir:		
- 15 Gallon minimum with filter Standard 18" Rear Overhang	<input type="checkbox"/>	<input type="checkbox"/>
Hoist System Install Kit:		
9' 12' Gen II H-Series.	<input type="checkbox"/>	<input type="checkbox"/>
Gen II Series Mounting Bracket	<input type="checkbox"/>	<input type="checkbox"/>
Bolt-On Bumper with Light Bars	<input type="checkbox"/>	<input type="checkbox"/>
Includes Bumper Face Plate, Light Tubes, Two Lights Per Side, Stop/Tail/Turn/Reverse and Stop/Tail/Turn/Reverse/Strobe, Wire Harness and Mounting Hardware.	<input type="checkbox"/>	<input type="checkbox"/>
Rated for 20K	<input type="checkbox"/>	<input type="checkbox"/>
Bolt-on 10 TON 2-1/2" Receiver Tube Weldment and 9/16" hardware	<input type="checkbox"/>	<input type="checkbox"/>
One pair of plastic fenders for 19.5 tires, with mounting brackets	<input type="checkbox"/>	<input type="checkbox"/>
No Advertisement on mudflaps	<input type="checkbox"/>	<input type="checkbox"/>
SNG Fuel Filler Rod	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulics:		
PTO must be a Chelsea 210H with direct mount pump and 14 gallon reservoir providing up to 9 gallons per minute at 1000 rpm, must be a modular manifold cartridge type valve with 5 year warranty. Switch N Go shall be operated by the Switch N Go Pendant Controller.	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
GENERAL (Cont'd)		
Lights/Wiring:		
All lamps/reflectors exceed FMVSS 108 requirements.	<input type="checkbox"/>	<input type="checkbox"/>
Lamps shall be LED flush mounted in shock resistant rubber grommets to maximize bulb life.	<input type="checkbox"/>	<input type="checkbox"/>
Each side of 90" ICC bumper shall include a rear facing auxiliary stop/turn/reverse lamp LED for improved visibility and operator's safety. Also includes Amber strobe in bumper. The ICC bumper plate will also include a class V receiver tube with D-Rings back up alarm and trailer plug. The light extensions of the ICC bumper shall be a minimum of 16" off the ground. Color-coded wire harnesses are provided to minimize installation time and simplify diagnosis.	<input type="checkbox"/>	<input type="checkbox"/>
Body up light in cab.	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic Winch:		
Rated pulling force 15,000 lbs., 6.0 cubic inch motor	<input type="checkbox"/>	<input type="checkbox"/>
Drum barrel diameter 4"	<input type="checkbox"/>	<input type="checkbox"/>
Drum flange 8.24"	<input type="checkbox"/>	<input type="checkbox"/>
Distance between flanges 9.95"	<input type="checkbox"/>	<input type="checkbox"/>
Recommended maximum wire rope diameter ½"	<input type="checkbox"/>	<input type="checkbox"/>
Recommended minimum wire rope breaking strength 26,600 lbs.	<input type="checkbox"/>	<input type="checkbox"/>
Duty cycle 932'	<input type="checkbox"/>	<input type="checkbox"/>
Maximum layers of wire rope: 3	<input type="checkbox"/>	<input type="checkbox"/>
Hardened steel two stage planetary gear train with 36:1 reduction provides fast line speed	<input type="checkbox"/>	<input type="checkbox"/>
Heavy duty disc brake for dependable operation and plenty of holding power Meets SAE J706 and CE standards	<input type="checkbox"/>	<input type="checkbox"/>
Winch to be operated off truck hydraulics and Switch N Go controls	<input type="checkbox"/>	<input type="checkbox"/>
Accessory Lighting:		
Atomic LED marker lights	<input type="checkbox"/>	<input type="checkbox"/>
3 Whelen Ion T-Series Amber LED evenly spaced on top of pintle plate below hoist	<input type="checkbox"/>	<input type="checkbox"/>
LED spreader light mounted to frame for visibility during spreader operation		
ICC Pintle Plate Bumper as described above:		
• Pollak 7 Pole RV Style harness and twist and lock plug		
• Backup alarm		
• 3 ball receiver tube 1-7/8", 2", 2-5/16" lock in style pin not acceptable		
• 6 ton receiver mount Pintle & 2" ball combination hitch	<input type="checkbox"/>	<input type="checkbox"/>
Stop/Tail/Turn/Reverse/Safety Amber light extensions to be a minimum of 16" from the ground all lights to be LED	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

GENERAL (Cont'd)

Conspicuity Enhancement/Safety:

2" red and white diamond grade reflective striping,		
DOT Safety Kit, first aid kit, 5 1b fire extinguisher with bracket and safety		
Triangles	<input type="checkbox"/>	<input type="checkbox"/>
Additional Winch Cable to be supplied at time of delivery	<input type="checkbox"/>	<input type="checkbox"/>
Additional Safety Locking Pin to be supplied at time of delivery	<input type="checkbox"/>	<input type="checkbox"/>
Ziebart Undercoating, chassis frame and Switch N Go frame from cab to end of frame rails	<input type="checkbox"/>	<input type="checkbox"/>

OPTIONS:

***NOTE:** Successful bidder must be able to provide **any/all** options as specified below including installation of this body onto **existing County-owned Switch N Go truck**. If options are purchased for current County-Owned Switch N Go Trucks, the equipment shall be delivered to upfitter's facility for final measurements and installation at time of Mandatory Pre-Build. Bidder must have provided this type of conversions in the past with a minimum of 5 years of working with the Switch N Go product, proof of this type of work must be supplied with bid.*

5A. 9.0' Readily Detachable Snowplow System

This option can be selected with all configurations. Can be purchased for existing F-350 pickup trucks thru F-550 with snow plow prep packages.

Blade Assembly:

Moldboard - 12 ga. (0.104") steel sheet formed to a 17.30" radius with a 1.76" diameter top curl.	<input type="checkbox"/>	<input type="checkbox"/>
Ribs - eight, 0.25" thick, variable profile, electrically welded to sheet, torsion tube and 0.25" thick, high strength steel base channel.	<input type="checkbox"/>	<input type="checkbox"/>
Torsion Tube - 2.00" diameter, full width, electrically welded to all eight ribs.	<input type="checkbox"/>	<input type="checkbox"/>
Cutting Edge - reversible 0.50" x 6" high carbon steel C1080 attached with ten 0.63" Grade 5 carriage bolts.	<input type="checkbox"/>	<input type="checkbox"/>
Disc Shoes - two, full rotation, height adjustable, Austempered Ductile Iron shoes with integral 1" diameter shaft secured to blade with lynch pins. Shoe brackets shall be welded to vertical ribs.	<input type="checkbox"/>	<input type="checkbox"/>
Blade Trip - 50 degree full blade trip	<input type="checkbox"/>	<input type="checkbox"/>
Trip Springs-four, 2.38" OD x 0.39" diameter, C1 060, hard drawn, stress relieved wire, preloaded, with 0.63" x 4" eyebolts.	<input type="checkbox"/>	<input type="checkbox"/>
Shock Absorbers - two, 5" stroke, shielded shock absorbers to retard extension velocity and dampen blade trip return.	<input type="checkbox"/>	<input type="checkbox"/>
Blade Trip Pivot - three 0.75" diameter steel pins.	<input type="checkbox"/>	<input type="checkbox"/>
Blade Guides - two highly visible, vinyl coated, spring wound, with replaceable flags.	<input type="checkbox"/>	<input type="checkbox"/>
Plow Angling- 30 degrees right and left.	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5A. 9.0' Readily Detachable Snowplow System (Cont'd)

A-Frame:

Electrically welded, reinforced, 3.00" x 3.00" x 0.19" wall structural steel side tubes with 0.50" thick, formed nose plate and integral attachments for angling rams to receive 1.00" diameter pins.

Lift Chains - two, 0.25" Grade 43 high test steel with 2600 lb. working load limit, attached with 0.38" U-bolts.

Quadrant:

Electrically welded, reinforced, 5.00" OD x 0.25" wall structural steel tube with 0.50" thick nose plates and integral attachments for angling rams to receive 1.00" D pins.

A-Frame to Quadrant Angle Pivot - 1.00" diameter Grade 5 bolt.

Lift Frame:

Lift frame to have provision for attachment of out front hydraulics and light kit.

Lift Arm- 0.25" x 2" formed bar welded with a 7 ga. steel cover.

Two Plow Stands - Self-storing and adjustable integrated into the plow attachment mechanism. Connecting hook and lever with integral with a 0.50" lock pin.

Lift Frame - Two piece lift frame with tubular construction. Lower lift frame to include drive in plow alignment horns.

Mount:

Custom designed, electrically welded, structural steel mounting readily adaptable to truck frame. Attached to truck with Grade 5 fasteners.

Vehicle, with mount attached, shall meet federal motor vehicle safety standards by compliance or by vehicle manufacturing approval.

Removable receiver brackets for additional ground clearance.

Paint:

Plow blade shall be made of shot blasted steel and cleaned with phosphate solutions and have baked-on red polyester powder coating.

A-Frame, Quadrant and Lift Frame - shall be made of shot blasted steel and cleaned with phosphate solution and have baked-on black powder coating.

Hydraulics:

Electric solenoid activated and detachable with lift.

Front mounted hydraulic unit consisting of a fixed displacement gear pump, with 1750 PSI system relief, direct tang driven by a 4-1/2" 12 volt DC motor.

Pump with filter screen shall be immersed in a steel deep drawn reservoir.

Main valve manifold shall contain three side mounted and covered solenoid cartridge valves.

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5A. 9.0' Readily Detachable Snowplow System (Cont'd)

Hydraulics (Cont'd)

Secondary valve shall contain 2 driver side and 1 curb side mounted and covered solenoid cartridge valves. Cushion relief valves set at 4,000 PSI and a quill adjustment screw to adjust blade drop speed. □ □

One 1 1/2"x 8" lift ram and two 1-1/2" x 12" angling rams each with a rod seal, a wiper ring and a gland nut. □ □

Hydraulic hoses shall be 1/4" steel braided SAE 100R1. □ □

Hydraulic unit shall be controlled by a soft touch, hand held in-cab control. □ □

Control shall be equipped with an on/off and mode buttons and indicator lights. □ □

Control can be dash mounted. □ □

In-cab control shall be connected to valve manifold and to the motor through an auxiliary 12-volt multiplexed harness. □ □

Power and control harness to have quick disconnects and covers at the grill. □ □

Control shall allow plow to be in float when lowered and also be able to angle left or right when in float. □ □

Unit shall be a "low side" drive system, which provides positive potential continuously with a switched ground to control the solenoids. □ □

Unit shall possess programmable security lockout feature. □ □

Unit shall possess programmable hydraulic soft stop feature. □ □

Unit shall possess programmable one touch float feature. □ □

Hydraulic fluid shall be MJL5606 equivalent standard transmission fluid (ATF) or aircraft hydraulic oil for low-temperature operation. □ □

Cycle times:

- Lift 2.5 seconds
- Angle 5.0 seconds

□ □

Hydraulic unit shall stay with plow when plow is disconnected from truck. □ □

Lights:

Nighthawk LED Headlamps □ □

Vehicle specific pre-wired harness with plug-in module requiring no headlamp wire splicing. □ □

Plow and vehicle lights automatically selected through relay system. □ □

Heavy-duty flashers. □ □

Double stud mounting brackets. □ □

FMVSS 108 compliance for lights. □ □

Lights and mounting bracket to stay with plow when disconnected from truck. □ □

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5A. 9.0' Readily Detachable Snowplow System (Cont'd)

Plow Removal:

Blade assembly, A-Frame, Quadrant, Lift Frame with hydraulic unit all to be removed in one step from truck as one complete unit.

Snow deflector

Curb guards both sides

Cab command Hand Held Control/or joystick- specified at order

5B. Cirrus Hydraulics System

PTO and Pump:

Hydraulic pump and PTO shall be a Chelsea 249 series.

The pump shall be a fixed displacement that is direct mounted to a hot-shift PTO for a live transmission with a gas engine.

The pump shall have a flow rate of 19 GPM at 1200 engine RPM.

The pump shall have a 3/4"-11T splined drive shaft.

The suction hose to the pump shall be a minimum of 1-1/4" I.D. SAE 100-R4 hose.

The PTO shall be a Parker/Chelsea 249 series and have a ratio of 124%.

The PTO shall be engaged/disengaged from the cab by a dash mounted 12VDC on/off switch.

Power over speed protection required for torque shift six with gas motor.

Stainless Steel Symmetrical Valve Reservoir Combination System:

The spool valve sections and spreader manifold will be mounted in a combination reservoir and enclosure.

The overall width of the will not exceed 28". The valve shall mount horizontally on a 15.5" removable mounted plate that slides out for easy access for repair and maintenance.

The enclosure shall be mounted with a minimum of 1" frame clearance on each side of the combo.

Mounting bracket is to be designed and supplied by reservoir supplier and designed in a manner as to not transmit torsional loads through the reservoir.

The enclosure cover shall also cover/ protect the valve work ports and hoses

The reservoir portion shall be 14-gallon capacity.

The combo will be constructed from 10-gauge 304 Stainless steel with .25 inch steel bracing. The combo shall be powder-coated for corrosion protection with internal baffle

Two rubber latches will secure the enclosure lid. The lid must be removable without tools by one person.

The rubber latches are replaceable with a removable pin.

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5B. Cirrus Hydraulics System (Cont'd)

Stainless Steel Symmetrical Valve Reservoir Combination System: (Cont'd)

The reservoir must be equipped with the following: 3/4" magnetic drain plug, 1-1/4" full flow brass ball valve, 2" x 1-1/4" NPT suction strainer with 100 mesh screen and 3 PSI bypass valve, tank mount return line filter with a built in breather, and sight temperature gauge externally mounted facing front of truck no matter which side enclosure is mounted on.

Reservoir filling will be through the filter housing with a flow path that will filter all new oil entering in the system.

Minimum Specification for Modular Manifold Central Hydraulic System:

The modular manifold must be constructed of 6061 anodized aluminum material.

The modular manifold shall be adjustable to a maximum pressure of 3500 psi with multiple flow and pressure performance, with function configuration.

The modular manifold will consist of multiple sections bolted together for multiple function configurations.

The entire hydraulic system shall be completely serviceable without removing from the enclosure or disassembling the sections.

A one-piece manifold will not meet the intent of the specification for easy maintenance and service.

The modular manifold must be capable of operating in either open center (fixed displacement) or closed center (variable displacement) hydraulic circuits

All functions will be proportional controlled, pulse width modulated, pressure and flow compensated.

Plow and Winch functions must have load hold/ counter-balance.

Any valve without load-holding capability or have internal leakage down standard is **NOT ACCEPTABLE**

Heavy-duty 12VDC coils must be protect with a corrosion resistant coating.

Connections must be NEMA x6 standards for dust protection and all outside the cab connections shall be rated as NEMA "x8" - protected against the effects of permanent submersion in water as well as able to show no corrosion after 500 hours in a 35°C salt spray.

The modular manifold shall be designed for lower pump capacity hydraulic pumps.

Each sections will have flow capacities from 3 to 20 GPM with load holding on all cylinder section.

The hoist and winch sections shall be 15 GPM, four way for a double acting cylinder and incorporate a 500psi relief for the hoist A-port

The spinner will be a 7 GPM motor spool cartridge and the auger/conveyor will be 8 GPM motor spool cartridge. 15 GPM motor spool for anti-ice.

The spinner or auger will not stop when other implements are actuated.

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5B. Cirrus Hydraulics System (Cont'd)

Minimum Specification For Modular Manifold Central Hydraulic System: (Cont'd)

Auger and Spinner cartridge valve will be equipped with screw adjustable manual overrides protected by jacketed debris covers. Hoist, Winch, Plow, spool valves will have a push/pull ring for the manual override.

The hydraulic system shall be pressure and flow tested before the installation process.

Cartridge valves, spool valve, and solenoids must have a 5-year warranty.

Plow and Switch N Go joystick controllers:

The in-cab control system shall be a one joystick Cirrus Black Tip controller or prior approved equal. The single control levers must be true Hall effect (magnetic) joystick with two-axis (X & Y) proportional control with no internal metal contacts.

Amusement grade joysticks for pistol type controllers are not acceptable.

The joystick console shall mount to the center seat in the down position with two (2) adjustable rods that slide into the head rest mounting holes for the Ford F450-F750 vehicles and with a cup holder mounted bracket in the Dodge Ram 5500 series vehicles.

The dumping hoist and winch shall be controlled by a single joystick and must have a safety trigger protection to activate the hoist and winch function.

Joystick console must have side bracket to mount spreader controller.

The user shall have the ability to set the speed of each direction of motion on a PC for all hydraulic devices controlled by the joystick without modification to the hydraulic system.

The controller must include integrated protection and diagnosis systems with safety features incorporated into the system. Channel Safe™: to protect the system and help diagnose external shorted or open circuits. SafeStik™ that shuts down the output channels if a joystick fails.

Power Safe™ Wiring Design: For safety reasons, grounding or cutting any wire at Any point between any valve coil and the controller must not cause any valve to actuate.

The system must supply pulsed+12 volt power to the other lead from each individual valve coil.

All connections at the hydraulic control junction box must be IP 68 rated. The outside the cab harness will be IP 68 rated up to the valve coil connection All connectors shall be rated as "6x" - dust proof. All connectors shall be rated as "x8" - protected against the effects of permanent submersion in water as well as showing no corrosion after 500 hours in a 35C salt spray.

Installing dealer must be authorized to preform warranty repairs and periodic maintenance.

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5B. Cirrus Hydraulics System (Cont'd)

In-Cab Granular and Liquid Control System:

The in-cab control system shall be capable of operating output channels for granular spreader, and single channel liquid controller on one easily accessible single keypad. In-cab controller must be an automotive grade product. Amusement or gaming products are **NOT ACCEPTABLE**.

The liquid channel can operate an electric or hydraulic pre-wet system controller shall also have an optional dash mount, stand-alone, or console mounting options.

The single touch proportional hydraulic controls shall be time dependent to adjust the speed of the hydraulic functions.

Controller shall have the ability to connect the feed rate and spinner function for single stroke simultaneous start up.

Controller must offer a "Skip Blast" feature allowing for spot blasting during "Pause Mode"

Controller shall offer adjustable valve unseat percentage option: to start auger/conveyor with wet heavy salt.

The user shall have the ability to adjust the speed of each function and the amount of granular material or liquid with the soft touch key pad.

Rotary knobs to control granular feed rate or spinner speed is **NOT ACCEPTABLE**

The spreader controls shall operate a granular spreader with auger/conveyor, spinner and pre-wet (or anti-ice) output channels. Each function can be operated individually or all simultaneously.

All set-up and programing shall be completed using the controller soft key pad with no external programing keyboard.

Spreader must be field configurable to operate either: Ground Speed Oriented or No Ground Speed (simple manual operation) with a single switch setting.

Controller shall also offer a settable Blast Features that will function during Ground Speed Triggered Operation.

System shall be capable of self-diagnosis using the indicator LED light for each channel to trouble-shoot open circuit faults.

All connections inside the hydraulic valve / electronic control junction box must be IP 68 rated.

All connections will be labeled with appropriate descriptions for each connection to individual solenoids of the hydraulic actuating cylinders.

Cirrus EZ1 Controller Has a 2 Year Warranty

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5C. Large Stainless Steel VBox Spreader

This option also requires the selection of the Cirrus upgrade. Spreader can also be purchased for existing vehicle with central hydraulics for 10' Dump body and up.

Hydraulics:

PTO must be a Chelsea 249H with direct mount pump and 14 gallon reservoir providing up to 9 gallons per minute at 1000 rpm, must be a modular manifold cartridge type valve with 5 year warranty. - Shall be operated by the chassis provided upfitter switches.

General:

This specification describes a heavy-duty, self-contained hopper spreader designed to spread free-flowing material from 4 to 40 feet. Spreader consists of a steel body and spinner assembly, top screens, pintle-chain conveyor system, power drive and all components required to deliver maximum performance.

Body:

Shall be of all welded 12-gauge stainless steel construction and 5.6 cubic yards struck capacity.

The hopper length shall be 10 feet long.

Overall height of the unit shall be 50 in.

The overall width to be no more than 82 in.

Body sides slope at 45° angle to promote free flow of material to the conveyor.

Front panel shall be tapered 20° to relieve pressure to the conveyor.

The sides and ends shall be constructed of 12-gauge stainless steel continuously welded to each other on the inside of the hopper, and the top of the body shall be double crimped, forming a 2 in. section for greater rigidity.

Body sills to be of formed 10-gauge stainless steel that ties the lower edge of the longitudinals to each side support. There shall be an adequate number of 12 gauge stainless steel side supports on 2 centers that extend the full side angle height rigidly tying in to the 7 gauge stainless steel formed channel cross sills with the body sides to give the highest degree of resistance to warping or twisting under heavy loads.

The body and conveyor shall be electrically welded into a rugged solid unit.

A heavy-duty lift hook shall be provided at each corner.

These lift hooks shall be inserted through holes in the double crimped section of the hopper walls, and welded in place for maximum strength.

A 6x4 in. formed box beam that is welded at each end will be elevated 3 in. above the top edge of the hopper, providing a longitudinal brace and hinge point for the top screens.

There shall be a formed 2x2 in. angle iron welded from the box beam to each side for additional support.

The rear endplate shall be reinforced inside and supported outside to give it maximum strength.

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5C. Large Stainless Steel VBox Spreader (Cont'd)

Conveyor:

Shall be of the chain barflight type running longitudinally with the body.	<input type="checkbox"/>	<input type="checkbox"/>
The top edge of the longitudinals shall be formed down over the chain link strands, leaving only the drag chain bar exposed to the material being spread.	<input type="checkbox"/>	<input type="checkbox"/>
Conveyor width shall be not less than 24 in. and shall be a heat-treated, all steel, self-cleaning pintle-type chain.	<input type="checkbox"/>	<input type="checkbox"/>
Chain shall be 2-1/4 in. pitch with 7/16 in. locked non-turning pins and a tensile strength of 21,000 pounds.	<input type="checkbox"/>	<input type="checkbox"/>
Chain bar flights shall have a cross section of 3/8x1-1/2 in. x 18-3/4 in. welded on the top and bottom to every other link and be positioned on approximately 4-1/2 in. centers.	<input type="checkbox"/>	<input type="checkbox"/>
Conveyor gearbox shall have a 50:1 reduction and be of a bronze worm-gear type having a cast-iron housing with a ring-mount bolt pattern and supported on tapered roller bearings.	<input type="checkbox"/>	<input type="checkbox"/>
Chain shall be driven through the gearbox by a low-speed, high-torque (1,200 inch lbs. at motor, 60,000 inch lbs. where it meets the conveyor) orbital-type hydraulic motor.	<input type="checkbox"/>	<input type="checkbox"/>
Conveyor drive sprockets shall be 8 tooth, drop-forged steel keyed to a 1-1/2 in. diameter C1045 steel shaft mounted in sealed, self-aligning ball bearings with grease fittings.	<input type="checkbox"/>	<input type="checkbox"/>
The idler sprockets shall be 8-tooth, drop-forged steel welded to a 1-1/2 in. C1045 steel shaft which is mounted in sealed, self-aligning ball bearings with grease fittings.	<input type="checkbox"/>	<input type="checkbox"/>
The conveyor bottom shall be of flat design, be of a minimum 3/16 in. steel and roll-over edges, shall bolt in and be replaceable	<input type="checkbox"/>	<input type="checkbox"/>

Spinner Assembly

Spinner assembly shall be fabricated from 12 gauge stainless steel, and shall be of the bottom mount motor design.	<input type="checkbox"/>	<input type="checkbox"/>
Material shall be guided from the conveyor to the spinner disc by means of an internal material baffle, which is easily adjustable without the use of any tools.	<input type="checkbox"/>	<input type="checkbox"/>
There shall be three adjustable stainless steel external spinner deflectors, and one fixed front shield to control the direction and width of the spread.	<input type="checkbox"/>	<input type="checkbox"/>
Baffles shall be adjustable without the use of any tools	<input type="checkbox"/>	<input type="checkbox"/>

Spinner Disc:

The spinner shall be made of polyurethane and shall be 20" in diameter and be equipped with six fins designed to give a uniform trajectory from four to forty feet.	<input type="checkbox"/>	<input type="checkbox"/>
This spinner disc shall be bolted to a cast iron hub directly connected to the independent low-speed, high-torque, orbital-type spinner drive motor	<input type="checkbox"/>	<input type="checkbox"/>
Spinner motor shall be 2.8 cubic inch, with nickel plated shaft for enhanced corrosion resistance and improved seal life.	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5C. Large Stainless Steel VBox Spreader (Cont'd)

Spinner Extension:

The spinner extension shall connect the spinner assembly to the longsills of the spreader, and shall be fabricated from 12 gauge stainless steel.

The extension shall provide adjustable mounting heights of the spinner assembly with a range of 15 inches, in increments of 3 inches.

Inverted Vee:

The spreader shall have an inverted vee over the conveyor to improve material flow to the conveyor.

The inverted vee shall have four support brackets to hold it in place.

The inverted vee shall be a formed angle, 8 X 8 in. X 12 ga. stainless steel

Top Screens:

Sectional screens with a maximum length per section of three feet shall be hinge to the 4 in. x 6 in. box beam which is made of stainless steel, and is bolted to both ends of the hopper.

Screens shall be constructed of 3/8 in. diameter steel rods welded to form a 2-1/2 in. square mesh which is framed by a combination of 1/4" X 1 1/2" . flat steel and 2 in. angle iron with edge supports reinforced by 1/4" X 1" in. flat bars.

Screens shall be removable and use a lock-type hinge.

Finish:

All metal shall have the mill scale, weld splatter, and oil residue removed and the surface shall be electro-chemically cleaned.

All stainless steel shall be left unpainted. All mild steel components shall be painted black.

Light Bar Assembly:

Light bar assembly with stainless steel enclosure. 78 in. wide, bolt on (4) LED. stop/turn/taillights and ICC ID marker lights, wire harness with pigtail and 7-prong trailer plug RV Style.

Grease Extensions:

Front bearing grease extensions to the rear of unit with manifold

Chain Oiler:

Shall be of a gravity flow design with a manual shutoff valve and have a reservoir capacity of 4 quarts.

Tank shall be polyethylene construction

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5C. Large Stainless Steel VBox Spreader (Cont'd)

Winch Assembly:

Winch assembly for BV or BVA models, hand crank to swing up spinner assembly.

Short Hose Kit:

Short hose kit includes Pioneer 4004PH quick-disconnect couplers (two sets) and four 1/2 in. hoses.

Subframe and Body Rollers
6" round rollers, powder coated black subframe

5D. Dump Body for 11' Floor Length

This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.

Dump body:

- 11' floor length
- 24" high two-way dump gate
- 40" high bulkhead
- 10 gauge floor
- 12 gauge sides and 12" side board pockets
- Subframe and 6" ground rollers
- 18" Cab shield
- Heavy Duty D-Rings
- Painted Black

6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line

5E. Stainless Steel Dump Body for 11' Floor Length

This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.

Dump Body DB-I I-Stainless:

- 304 Stainless Steel w/ structural steel understructure
- Floors are 10 ga stainless steel w/ structural steel w/ 3" crossmembers on 16" centers
- Floor width 88"
- Tailgates constructed of 3/16" x 2" x 2" 304 Stainless steel tubing with 304 stainless steel 10 ga sheet, 27" H
- 40" 12 ga 304 stainless steel bulkhead
- 18" Cabshield
- 12", 12 ga 304 stainless sides with 12" board pockets
- Heavy Duty D-Rings installed
- Standard 6" Steel wheels

6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5F. Platform 11' Overall Floor Length

This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.

11' long platform, 1/8" diamond plate floor, 8' flat deck with 1' ramp tail
 1-3/4" red white reflective conspicuity tape down side of body line and around rear

5G. Medium Duty Dump Box

This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.

10 cubic yard drop box, 11' long and 39" high, dump-style tailgate. Floor, sides and tailgate all 12 gauge material. 2 side posts.
 Crossmembers are on 24" centers. 3" X 3" tubing top rail
 Swing Door to curbside
 6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line

5H. Medium Duty Dump Box High Sides

This body shall go with upgraded system from base. Can be purchased with truck or on its own for an existing unit.

13 cubic yard drop box, 11' long floor and 51" high, dump-style tailgate.
 Floor, sides and tailgate all 12 gauge material. 2 side posts. Crossmembers are on 24" centers. 3" x 3" tubing top rail
 Swing Door to Curbside
 6" Wide Conspicuity Reflective Tape inverted "V" Red White complete rear of body and 1-3/4" red white down side of body line

5I. Manual Tarp:

For either dump or drop boxes

5J. Stake Sides and Removable Rear Stakes

5L. 24" Deep Chipper Top

Leaf top has additional venting for the air to escape - must specify at time of Purchase

5M. Coal Chute

Dump Body

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5O. Mason Type Tarp

- Waterproof
- 3 bar crossmember support
- Drop Box application only

5P. Split Doors for Drop Box For Chipper or Leaf Application

1' Ramp on platform

Not to be selected if selecting a spreader for platform application

5Q. Fold Down Sides Steel

Dump Body

5R. Fold Down Sides Aluminum

Dump Body

5S. Road Department Paint Color Scheme

Can be selected with all chassis options

Chassis to be prepped properly; sand appropriate area to reduce peeling

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

5T. Light Package:

Whelen Amber LED Lights:

Body upfitter must provide installation of lights so they work in conjunction with the equipment on the truck.

- 4 Micron Series Super LED in grill Amber
- 2 Micron Ion Series Super LED on rear bracket offender Amber

5U. Go Lights

Mounted on cab roof:

One (1) Go Light GXL Xtreme Work Lights

- 6000 maximum lumens
- 5 amp draw
- 9-32VDC input

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5V. Stainless Steel UTG Spreader

This accessory must have central hydraulics and spreader controls, used on dump bodies and chassis configuration. This option can also be purchased separately and installed on another vehicle which meets these requirements.

General:

This 6 in. auger under-tailgate spreader shall be of the bottom-opening design, with a safety shut off feature built into the hydraulic system.

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

The spreader width shall not be over 96 in.

Mounting:

The entire unit will mount to the sides and below the floor level of the dump box with single-pin, quick-detachable hardware.

Mounting and removing shall be done without the use of any special tools.

Safety Shut-Off:

The spreader shall incorporate a hydraulic safety shut-off feature that disables the hydraulic functions of the spreader.

This shut-off shall prevent opening the bottom door or opening the top cover beyond a vertical position when the hydraulics are engaged.

Feed Mechanism:

The six-inch, heavy-duty auger shall consist of 3/8 in. flighting with 4 in. pitch which is welded to a 2-3/8 in. O.D. Schedule 40 pipe.

This auger shall have continuous and reverse flighting for more uniform emptying and is supported by 1-1/4 in. steel shaft ends.

The auger shaft will be supported on one end in sealed, self-aligning, precision single-row radial bearings with grease fittings and on the other end by the drive mechanism.

The auger shall be powered with a 22.6 cubic inch displacement hydraulic motor capable of delivering high torque at low speeds mounted to the end plate and directly coupled to the auger by a non-corrosive UHMW polyethylene sleeve and a 1/2 in. Grade 5 bolt.

The discharge port is located 24 in. from the left end.

Stainless Steel Hopper:

Rigid one-piece end plates of 7 ga. stainless steel shall be continuously welded to an auger trough of 7 ga. stainless steel.

The unit will have a three-point hinged bottom pan that will expose the entire auger for easy clean out. This pan will be fabricated of 7 ga. stainless steel.

The hinged bottom pan shall be held in place with two heavy-duty cam locks with a lifting handle near each lock for easy one-man handling.

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

<u>COMPLIANCE</u>	
<u>YES</u>	<u>NO</u>

OPTIONS: (Cont'd)

5V. Stainless Steel UTG Spreader (Cont'd)

Stainless Steel Hopper: (Cont'd)

The anti-spill cover over each discharge opening will be of 7 ga. stainless steel and shall be removable without the use of tools.

The lid will be of 7 ga. stainless steel and will be an integral part of the unit that may be raised when spreading or lowered when dumping.

This lid shall be locked in position by two latches that are replaceable.

Inside width of the trough shall be a minimum of 10-7/8 in.

Poly Spinner Disc:

The spinner shall consist of a single 18 in. diameter polymer disc with six formed polymer fins, to provide a flat trajectory and uniform spreading pattern from four to forty feet.

The spinner assembly shall be adjustable, allowing for variable spreading patterns left, center, or right by sliding the hinged frame sideways on the shaft so that the point at which the material hits the spinner disc is varied.

The spinner assembly shall be adjustable in height, providing four different ground clearance settings by means of four bolts.

The entire spinner assembly shall be easily removed by pulling two pins and uncoupling two hydraulic quick-disconnect hoses.

The spinner speed rate shall be variable through optional valve systems.

The polymer spinner disc will be mounted directly onto the hydraulic motor shaft by means of a steel spinner hub.

Spinner motor shall be 2.8 cubic inch, with nickel plated shaft for enhanced corrosion resistance and improved seal life.

The spinner assembly shall remain horizontal to the road at all dump box angles.

A spinner shield shall be provided to prevent material from striking the truck.

Finish:

All carbon steel components shall be painted black.

Stainless steel components shall be left their natural finish.

Spill Shields:

Steel spill shields shall be mounted to tailgate to stop any salt from spilling out the sides of the rear of the body..

Dump Accessibility:

No hydraulic hoses or trough handles are to be above the surface of the spreader.

Clean dumping surface must be provided

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5W. Flat Bed Service Body

General:

It is the intent of this bid to specify a 12' service body to be up fitted on a Switch N Go System for an 84" CA, this option is to be used with 11' Switch N Go System

Dimensions:

Floor:

- T&G Extruded Aluminum
- 102" x 56-3/8" Wide Center

Rear Service Body Tailgate

Latches:

- Manual Master Locking System

Compartments:

- 3 Per Side - 40 3/16" W x 34 7/16" T
- Welded to Flatbed Floor

Flatbed Construction:

- G-Tube Perimeter/2x3 .125 Cross Members
- 12" OC/2x3 .188 Box Tube Long Sills (Gussets every 4" from front to back)
- All Extruded 6005 Aluminum/Box Tube Construction

Bulkhead:

- Extruded Aluminum Headboard

D-Rings:

- 6 Recessed Stainless Steel D-Rings (3 Per Side)
- Spring-Loaded, 4.4K LB Rating, Evenly Spaced

Cargo Securement:

- 2 Rows of E-Track Center Body Length
- 4 Ratchet Straps 2" x 12'

Body Shell:

- Paint to match County Department Color
- Each Cabinet to have 3 shelves with dividers

5X. Brine Water Tank

This unit as specified will need to operate with a central hydraulic system. It can be used on all Switch N Go Applications

General:

The system shall have the capability to maintain a uniform application rate of deicing liquid materials behind the truck. The system will have the capability of being used in a manual control (open loop) and automatic control (closed loop). System will consist of a single lane stainless steel spray bar.

Liquid pumping system shall have a hydraulic driven liquid pump. Hydraulic driven systems shall be available up to 100 gpm output.

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5X. Brine Water Tank (Cont'd)

Fluid Handling Components:

All fluid handling components shall be constructed of material suitable for handling liquid deicing chemicals without deterioration, corrosion or damage.	<input type="checkbox"/>	<input type="checkbox"/>
Plumbing shall not contain any components manufactured from galvanized or steel fittings.	<input type="checkbox"/>	<input type="checkbox"/>
Liquid tank size shall be 735 gallon.	<input type="checkbox"/>	<input type="checkbox"/>
Overall dimensions of tank shall not exceed 104" length x 48" W x 49" H (including lid).	<input type="checkbox"/>	<input type="checkbox"/>
Tank will include an option of being mounted on a sub frame with stand that will allow for raising the dump body to install and remove the tank assembly without the use of front end loader or forklift.	<input type="checkbox"/>	<input type="checkbox"/>
Tank will be mounted to either steel subframe or other tank support utilizing ratchet straps.	<input type="checkbox"/>	<input type="checkbox"/>
The tank will have gallon markings visible on the rear of tank		

Liquid Pump:

Hydraulic driven centrifugal pump:

- A liquid centrifugal pump driven by a hydraulic motor with a maximum output of 235 gpm to allow application rates of up to 60 gallons per lane mile at 60 mph on the highway.
- Additional liquid centrifugal pumps will be available to allow maximum output of 25 or 100 gpm to allow application rates at low speeds and application rates for parking lot or side streets

System shall have inline removable inlet strainer with 304 stainless filter screen. Screen mesh shall be sized to handle all types of deicing chemicals and protect the pumps and other downstream components from becoming plugged, restricted or premature wear.	<input type="checkbox"/>	<input type="checkbox"/>
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Plumbing:

A manual ball valve is required at the outlet suction of the tank to isolate the liquid from draining from the tank if service is required to the liquid pump, shut offs, check valves or any part of the spraying system.	<input type="checkbox"/>	<input type="checkbox"/>
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Tank shall have a second manual 3-way ball valve to allow for filling of the tank by an independent external pump through a 2-inch fitting, or self-loading of the tank by the trucks 2" suction hose and pump	<input type="checkbox"/>	<input type="checkbox"/>
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The 3-lane main boom section shutoff assembly shall be a KZCO common manifold that does not require flange style fittings between each lane section left, center and right. Each boom shut off section is a ball style off/on electrical valve that requires a 12 volt on, 0 volts off control signal and operate from closed to wide open in 1.5 seconds or less	<input type="checkbox"/>	<input type="checkbox"/>
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ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5X. Brine Water Tank (Cont'd)

Plumbing (Cont'd)

Quick coupe connections to have integral cam locks and tethered dust caps/plugs

Spray Bar:

The spray bar shall be designed to provide an application of liquid de-icing material right behind the truck in a single boom application

Spray bar shall not exceed 8 feet in length. Spray bar shall be assembled with vertical sidebars (left and right boom sections and horizontal center spray bar) and manufactured from 304 stainless steel

Spray bar shall be constructed of stainless steel with stainless steel nozzles. Center spray bar shall have a minimum of twelve (12) nozzles

Tank Mounting:

The 735 gallon tank will be mounted to a powder coated steel sub frame with 2 ratchet straps. The dimension of the sub frame shall be 58" in width and 120" in length

The sub frame with stand consisting of legs that fold or pivot to allow for easy storage of tank on the ground and ease of installation into the dump body. The front legs will fold up as the tank is inserted into the dump body allowing for installation and removal of the tank assembly without the use of a front end loader or forklift.

5Y. 48" Under Body Tool Box

For use with Ford F-550 with 84" CA and No I-Pack Tool Box-Platform and Dumping Platform. Can be purchased for existing vehicles that meet these requirements.

Weatherguard Tread plate Aluminum 650-0-02:

- 48" X 18" X 18"
- 16.0 cu ft
- Door Opening 19-1/2" High and 43-1/4" Wide
- Stainless Steel D-Handles

5Z. 30" Under Body Tool Box

For use with Ford F-550 with 60" CA on Dump Body and Platform. Can be purchased for existing vehicles that meet these requirements.

Weatherguard Tread plate Aluminum 631-0-02:

- 30-1/8" X 18" X 18"
- 5.4 cu ft
- Door Opening 13-1/2" High and 25-1/4" Wide
- Stainless Steel D-Handles

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5AA. Arbor Body: AB-11

Structural Steel Construction with ZRP Zinc Primer Rubberized underneath protectant coating	<input type="checkbox"/>	<input type="checkbox"/>
Painted to match cab	<input type="checkbox"/>	<input type="checkbox"/>
Body width interior 76" with interior ladder box and 96" exterior	<input type="checkbox"/>	<input type="checkbox"/>
Floors are constructed of 10 ga. Galvanneal steel with formed 3"x 3/16" Channel with corner gussets	<input type="checkbox"/>	<input type="checkbox"/>
Roof & Tailgate are constructed of 14 ga. Galvanneal steel	<input type="checkbox"/>	<input type="checkbox"/>
Sides are constructed of 12 ga. Galvanneal steel with side stiffeners On 36" center	<input type="checkbox"/>	<input type="checkbox"/>
Tailgates are constructed of a 14 ga. Steel sheet with 1-1/2" x 1/8" Tubular frame work with a height of 30"	<input type="checkbox"/>	<input type="checkbox"/>
Standard 6" ground rollers	<input type="checkbox"/>	<input type="checkbox"/>

5BB. Van Body: VB-1283

Aluminum Box Tube Construction with a smooth .049 bonded Exterior white skin finish	<input type="checkbox"/>	<input type="checkbox"/>
Interior Body widths are 92" and exterior width is 96" Interior height is 83.5"H	<input type="checkbox"/>	<input type="checkbox"/>
Roofs are constructed of a one piece .032 Aluminum crown roof with Radius front roof & vertical corners for aerodynamics	<input type="checkbox"/>	<input type="checkbox"/>
Floors are constructed of tongue and groove extruded aluminum Interior sides are constructed with 1/2 plywood with e-track for Customizable solutions	<input type="checkbox"/>	<input type="checkbox"/>
Extruded 6005 T6 Alum Box Tube construction, 2" x 3" crossmembers at 12" Centers	<input type="checkbox"/>	<input type="checkbox"/>
Rear door opening: 86" W x 77" H, Roll-up door with stainless steel Fastener	<input type="checkbox"/>	<input type="checkbox"/>
Standard 6" steel ground rollers	<input type="checkbox"/>	<input type="checkbox"/>

5CC. Work Ready Subframe: WRSF-11

Structural Steel Construction with zinc prime and powder coat finish	<input type="checkbox"/>	<input type="checkbox"/>
Body width is 80" outside with a 26" W x 9" D rear cutout	<input type="checkbox"/>	<input type="checkbox"/>
Floors are constructed with a center 1/8" diamond sheet and 19" Wide 3/4" expanded metal sides crossmembers are constructed of 3" structural channel on 12" centers	<input type="checkbox"/>	<input type="checkbox"/>
equipped with two front retractable legs and two detachable 6" ground rollers	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5DD. Maxscaper 12' Aluminum Landscaper Body Attachment

GENERAL

Outside Dimensions:

12' Long X 96" Wide

Inside Dimensions:

48" Height X 88" Wide

Cross Members:

On 12" Center – 2" x 3" x 1/8"

Construction:

All Aluminum 6000 Series Box Tube Construction

Premium B-Tube Perimeter Frame 6000 Series

Aluminum Sheet Sides .125" 5000 Series

Flat Bar Tie Rail 2" x 1/4"

3/16" Smooth Aluminum Floor

2" x 3" Crossmembers on 12" Centers body to be ordered without longsills to fit on Switch N Go rails, also a doghouse is to be cut out so the body bulkhead so it slides all the way forward for installation

Heavy Duty Rear Corner Posts 3" x 3" 6000 Series Aluminum

Barn Doors with Polished Stainless Steel Locking Bar

Solid Aluminum Headboard .125" (screened window cover is not acceptable)

52" wide side door at front corner of curbside of body with Stainless Steel Locking Bar

6" Wide Conspicuity Reflective Tape inverted "V" Red/Yellow complete rear of body and 1-3/4" red white down side of body line

Switch N Go Subframe with 6" Rollers

- All dissimilar metals to have Teflon liner between the two (2) metals before installation

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>OPTIONS: (Cont'd)</u>		
<u>5DD. Maxscaper 12' Aluminum Landscaper Body Attachment (Cont'd)</u>		
Aluminum Leaf/Chipper Top:		
All Aluminum Construction	<input type="checkbox"/>	<input type="checkbox"/>
Bolts to top rail of Landscape Body	<input type="checkbox"/>	<input type="checkbox"/>
Extruded Aluminum Frame	<input type="checkbox"/>	<input type="checkbox"/>
Smooth Side 1/8" Mill Finish sides	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Duty 3/16" front wall sheet	<input type="checkbox"/>	<input type="checkbox"/>
Punched Ventilation in roof sides		
- 3 6" x 12" punched vents screened in bulkhead		
- 1 6" x 12" punched vent screen in front section of each side		
- 3 6" x 12" punched vents screened in center of each side of body		
- 1 6" x 12" punched vent screen in rear panel on each side of body	<input type="checkbox"/>	<input type="checkbox"/>
Punched Ventilation in roof top		
- 4 12" x 12" screened vents spaced evenly in the roof	<input type="checkbox"/>	<input type="checkbox"/>
Lifting hooks total of 4		
Rear of chipper top shall have a single aluminum fold down door and be pin able to work in conjunction with rear doors so it doesn't flop around, upfitter shall cut a hole in door to work with leaf machine approximately 12" in diameter, bottom of the hole to be 105" off ground	<input type="checkbox"/>	<input type="checkbox"/>
Teflon gasket to be installed on bottom of the leaf/chipper top	<input type="checkbox"/>	<input type="checkbox"/>
Switch N Go Rails and undercarriage to be coated with Ziebart undercoating.	<input type="checkbox"/>	<input type="checkbox"/>
<u>5EE. Chipper Leaf Top for Landscaper</u>		
Bolt on Chipper top for Aluminum Landscaper		
Additional venting for leaf cap, must specify at order	<input type="checkbox"/>	<input type="checkbox"/>

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

<u>COMPLIANCE</u>	
<u>YES</u>	<u>NO</u>

OPTIONS: (Cont'd)

5FF. Diagnostic Tools / Test Equipment

- | | | | | | | | | | | | | | | | |
|---|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <ol style="list-style-type: none"> 1. Successful bidder shall be required to supply between one (1) and three (3) complete sets of OEM testing/diagnostic/programming equipment (i.e. laptop, software, cabling, and adapters) and special tools required to perform the full range of diagnostic and maintenance actions necessary to maintain vehicle operability. This equipment will cover the vehicle chassis, engine, transmission, brakes, hydraulics, and all additional equipment (if applicable) 2. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software 3. Provide a list of all test/diagnostic/programming equipment and special tools being supplied at the time of bid 4. All software installations and activations will be completed by the successful bidder at no cost to the County 5. All software updates and renewal will be provided at no cost to the County for a period of five (5) years from the acceptance of the equipment 6. All technical issues relating to test/diagnostic/programming equipment and special tools shall be resolved by the successful bidder at no cost to the County for a period of five (5) years from the acceptance of the equipment 7. Training shall be provided on all items in this section at a specified County Location | <table border="0"> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> </table> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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5GG. 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

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.

Wiring harness shall be clearly labeled “*TWO-WAY RADIO*”. Wires shall be unterminated 12VDC sources shall be protected from making contact with grounded metal surfaces.

5HH. 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.

ITEM #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5HH. Installation of County Supplied Two Way Radio and Accessories (Cont'd)

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.

5II. 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 #5 - CURRENT MODEL YEAR, OR NEWER, FORD F550 REGULAR CAB WITH SWITCH-N-GO DETACHABLE TRUCK BODY SYSTEM INCLUDING ACCESSORIES, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS: (Cont'd)

5II. 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