

# THE COUNTY OF CHILD

# BID SUBMISSION CHECKLIST DUMP TRUCKS BA# 18-2018

| 1.            | Bid Form Page(s)  |
|---------------|---|
| 2.            | Bidder Signature Page – follow instructions and fill out completely   |
| 3.            | Statement of Ownership Disclosure (2 pages) – fill out completely   |
| 4.            | Non-Collusion Affidavit – fill out completely and notarize  |
| 5.            | Affirmative Action Requirement  |
| 6.            | Disclosure of Investment Activities in Iran   |
| 7.            | Americans with Disabilities Form  |
| 8.            | Copy of a State of New Jersey <b>Business Registration Certificate</b> ("BRC") issued in the company name of the bidder and in the names of any subcontractors, if applicable |
| 9.            | Compliance pages  |
| 10.           | Warranty  |
| 11.           | Manufacturer's Brochures  |
| 12.           | New Jersey Motor Vehicle Commission Dealer License  |
| 13.           | Manufacturer's Statement of Origin  |
| 14.           | References  |
| 15.           | Addenda Receipt Form – ONLY INCLUDE IF ADDENDA(S) WERE RECEIVED   |
|               |   |
|               |   |
| Each bidder s | should complete this form, <u>initial</u> each entry, sign and date at the bottom and submit with bid.  |
| NAME OF BIDD  | ER: DATE:   |

# **COUNTY OF UNION**

# **Notice to Bidders**

SEALED BIDS will be received by the Director of the Division of Purchasing of the County of Union, New Jersey or her designee on April 17, 2018 at **2:30 p.m.** prevailing time in the **3<sup>rd</sup> Floor Conference Room**, U.C. Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey for:

# **BA# 18-2018 - DUMP TRUCKS**

in accordance with the specifications and forms of the bid packages furnished by the Division of Purchasing. The County reserves the right to reject any and all bids and to waive any and all informalities in the bid.

Bids shall be submitted in a sealed envelope and clearly marked with the subject of the bid, name and address of the bidder, phone & fax number, and date of the bid opening. Each bid must be delivered to reach the Division of Purchasing prior to the stated time of the opening of the bids. **No** late bids will be accepted. The County will not be responsible for late delivery by the U.S. Mail or any other carrier. If hand delivered, please note that parking and security access at the County Complex may cause delays and bidders should take them into consideration in order to submit a timely bid. **No** late bids will be accepted. Bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et. seq. and N.J.A.C. 17:27.

Bid packages may be obtained by registering and downloading at <a href="http://ucnj.org/bid-specs">http://ucnj.org/bid-specs</a> or in person from the Division of Purchasing (3<sup>rd</sup> floor), Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey 07207 or via U.S. Mail per request. Fax requests for bid packages to 908-558-2548 or call 908-527-4130.

Laura M. Scutari, QPA, Director of Purchasing

#### 1. RECEIPT OF BIDS

The Division of Purchasing will receive sealed bids for this work at the Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey 07207 on the date and time and in the room noted on the sheet marked "Notice to Bidders".

Bids for this work should be enclosed in a sealed envelope addressed to the Purchasing Division, County of Union, New Jersey, Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey 07207, with the full name of the bid and the bid opening date and time clearly marked on the outside. Any outer shipping container must be marked in the same way. Refer to the sheet marked "Notice to Bidders" for the correct name of the bid and the bid opening date.

The County will not assume responsibility for bids forwarded by U.S. mail or any other delivery service. It is the bidder's responsibility to see that the bids are presented to the Purchasing Division at the time and place designated. Under no circumstances will a bid be accepted after the time designated for the bid opening.

All Bid Form pages are to be filled out with a typewriter or pen and ink. The bidder in ink must initial erasures or alterations. Bid prices will be accepted only on the Bidding Sheet supplied. Unit prices and totals must be inserted in the space provided. In the event of a discrepancy between the unit price given and the extended total, the unit price shall govern.

All delivery costs (FOB: Union County Ship To Address) shall be included in the total bid prices, unless the bid specifications specifically state otherwise.

Alternate bids will not be accepted unless specifically requested.

N.J.S.A. 54:32B-1 et seq. exempts all materials sold to the County of Union from sales or use taxes and these should not be included in the prices provided on the Bidding Sheet.

The Bidder's Signature Page, Non-Collusion Affidavit, and Bidder's Disclosure Statement must be completely filled out and submitted in the sealed bid. If specified, Equipment Statement, Experience Statement, Bid Bond, Consent of Surety, N.J. Public Works Contractor's Registration Certificate, a State of New Jersey Department of the Treasury Business Registration Certificate and List of Subcontractors must also be included in the sealed bid. Refer to the Bid Document Submission Checklist for all required documents.

Bidders shall be required to furnish their literature and or samples where feasible and specifications of the items proposed to be supplied along with the sealed bid.

# 2. BID AND PERFORMANCE GUARANTEE

If specified, each bidder must furnish a guarantee in the form of a Bid Bond, Certified Check or Bank Cashier's Check in the required amount as specified on the Bid Document Submission Checklist page. Checks shall be drawn to the order of the County of Union, New Jersey.

If specified, each bidder must furnish with the bid, the Consent of Surety form signed by a Surety Company stating that if the bid is accepted the Surety Company which provides the Consent shall be required to furnish a Performance Bond in the amount as specified on the Bid Document Submission Checklist page. Such Surety Company will provide the Contractor with Bonds guaranteeing the faithful performance of the work in accordance with the specifications, and the payment for labor, materials, and all other indebtedness which may accrue on the account of this work. The Performance Bond will be required at the time of the signing of the Contract and will be written by a firm authorized to issue the bonds under the laws of the State of New Jersey and be in a form acceptable to the County Counsel. The County of Union has provided its Consent of Surety form for your use. The use of this form by your Surety Company will expedite the bid review process and eliminate the possibility of having your bid rejected. If, however, you should need to use another form, please use language similar to that used on the Union County form and avoid making any additions or deletions to the Union County form language. The Performance Bond will have a term equal to the entire contract period. In lieu of the Consent of Surety, the Bidder MAY submit a Certified Check for the required amount

The County will return all bid guarantees after the bids have been opened, read, tabulated and checked except those of the three (3) bidders whose bids are considered the lowest, responsible, responsive bids. The bid guarantees of the low three (3) bidders will be returned within ten (10) days of the date of the award of the contract.

If the successful bidder refuses or neglects to sign the said Agreement and/or fails to furnish the required performance bond, the Surety of such bidder will be held and used by the County as liquidated damages for such refusal or neglect.

#### 3. QUALIFICATION OF BIDDERS

The County of Union **MAY** make such investigation, as it deems necessary to determine the ability of bidder to perform the work. The County of Union reserves the right to reject any bid if investigation of such bidder fails to satisfy the County of Union that such bidder is properly qualified to carry out obligations of Contract, and to complete work contemplated therein.

Bidders are required to submit the names and addresses of the officers or principals of the Corporation, firm or partnership submitting a proposal or bid. Failure to comply will result in the rejection of such bid as non-responsive.

The County of Union has the right to reject any and all bids from any bidder that is in, or contemplates bankruptcy of any chapter or nature. Said bidder shall notify the County, in writing, of any condition or knowledge of the same.

### 4. RESERVATIONS

The County reserves the right to reject any or all bids and also reserves the right to waive any non-material defects in the bids received. The contractor shall not assign, transfer, convey, sublet or otherwise dispose of the contract or any part thereof to anyone without the written consent of the County of Union, New Jersey.

### 5. AWARD AND EXECUTION OF CONTRACTS

The County of Union, in accordance with N.J.S.A. 40A:11-24, shall award the contract or reject all bids within 60 days; except that the bids of any bidders who consent thereto **MAY**, at the request of the County be held for consideration for such longer periods as may be agreed.

When two or more low bids are equal in all respects, awards will be made according to the provisions of N.J.S.A 40A:11-6.1(d).

# 6. BRAND NAMES

Whenever an item specified by manufacturer's model number, brand or trade name, it is understood that such description is only for the purpose of defining the level of quality desired, and does not in any way restrict bidding to the named brand. Bids on other brands **MAY** be submitted by any responsible supplier, provided such brands are equal to or better than the one named in the specifications. However, the burden of proof as to the comparative quality and suitability of alternate or substitute equipment, articles or materials lies with bidder and, he shall furnish, at his own expense, all information necessary or related thereto as required by the County of Union. The County of Union shall be the sole judge as to the comparative quality and suitability of alternate or substitute equipment, articles or materials, and the decision shall be final.

The trade name(s) or brand name(s) offered must be shown on the vendor's response bid form pages.

# 7. PATENT CLAIMS

The successful bidder (contractor) shall protect and save the County harmless from all and every demand for damages, royalties, or fees on any patented invention used by it in connection with the supplies furnished under this contract hereunder, and it shall be the duty of the contractor, if so demanded by the County, to furnish said County with a proper legal release or indemnity from and against all such claims and any and all payments due under such contract are furnished if the County so elects.

#### 8. PREFERENCE FOR DOMESTIC PRODUCTS

Each local unit shall provide, in the specifications for all contracts for county or municipal work or for work for which it will pay any part of the cost, or work which by contract or ordinance it will ultimately own and maintain, that only manufactured and farm products of the United States, wherever available, be used in such work.

### 9. INSURANCE REQUIREMENTS

Vendor shall procure and maintain at all times while the contract is in full force and effect, the following insurance coverage with an insurance company or companies acceptable to the County, with limits not less than those shown below. A Certificate of Insurance shall be filed with the County prior to commencement of the work reflecting the following:

- a) Commercial General Liability (CGL): Coverage for all operations including, but not limited to, contractual, products and completed operations, and personal injury with limits no less than \$1,000,000 per occurrence/\$2,000,000 aggregate. The County of Union, its Board of Chosen Freeholders, officers, employees, agents, servants and the State of New Jersey; are included as Additional Insured. The General Liability Insurance coverage is provided on primary and non-contributory basis to the County of Union, et al.
- b) Automobile Liability: Coverage for all owned, non-owned and hired vehicles with limits not less than \$1,000,000 per occurrence, combined single limits (CSL) or its equivalent.
- c) Workers Compensation: As required by the State of New Jersey and Employers Liability with limits not less than \$1,000,000 per accident for bodily injury or disease.

Where applicable, a waiver of subrogation in favor of the County of Union, its Board of Chosen Freeholders, officers, employees, agents, servants is to be included in those policies of insurance where permitted by law.

Notice of Cancellation: Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the Entity.

\*Special Risks or Circumstances: The County reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

# 10. INDEMNIFICATION REQUIREMENTS

The Supplier shall indemnify and hold harmless the County and its agents and employees from and against all claims, damages, losses and expenses, including attorney's fees, arising out of or resulting from the performance of the contract which is attributable to personal injury, including bodily injury, property damage and the loss of use resulting there from, or the loss of use of tangible property, which has not been physically injured or destroyed, and is caused in whole or in part by an act or omission of the Supplier, any subcontractor of the supplier, any one directly or indirectly employed by any of them or anyone for whose acts any of them may be liable.

## 11. NON-DISCRIMINATION

The parties to this contract do hereby agree to comply with the provisions of N.J.S.A. 10:2-1 through 10:2-4, N.J.S.A. 10:5-31 through 10:5-38, et seq. (P.L. 1975, c. 127), dealing with discrimination in employment on public contracts and the rules and regulations promulgated pursuant thereunto are hereby made a part of this contract and are binding on them. The bidder agrees that it will not discriminate against any employee who is employed in the work to be covered by any contract resulting from this bid because of color, race, creed, religion, national origin or ancestry.

## 12. AMERICANS WITH DISABILITIES ACT OF 1990

Discrimination on the basis of disability in contracting for the delivery of services is prohibited. Respondents are required to read the Americans with Disabilities language that is part of the documents attached hereto and agree that the provisions of Title II of the Act are made part of the contract. The contractor is obligated to comply with the Act and hold the owner harmless.

#### 13. INVESTMENT ACTIVITIES WITH IRAN

Pursuant to P.L. 2012, c.25, codified as NJSA 52:32-55 *et seq.*, prohibits State and local public contracts with persons or entities engaging in certain investment activities in energy or finance sectors of Iran.

# 14. AFFIRMATIVE ACTION REQUIREMENT

REQUIRED AFFIRMATIVE ACTION EVIDENCE – General Requirements of P.L. 1975, c. 127. You are hereby put on notice that:

- A. Procurement, Professional & Service Contracts; all successful vendors must submit within seven (7) days of the notice of intent to award or the signing of the contract one of the following:
  - 1. A photocopy of your Federal Letter of Affirmative Action Plan Approval.
  - 2. A photocopy of your Certificate of Employee Information Report.
  - 3. A completed Affirmative Action Employee Information Report (AA302).

If the successful vendor does not submit the affirmative action document within the seven (7) days, the County of Union will declare the vendor as being non-responsive and award the contract to the next lowest bidder.

### 15. TERMINATION OF CONTRACT

If, through any cause, the successful Supplier fails to fulfill in timely and proper manner its contractual obligations, or if the Supplier violates any of the warranties or stipulations of its contract, the County will thereupon have the right to terminate such contract by giving ten days written notice to the Supplier of such termination and cause therefore, and specifying the effective date of such termination.

In addition, Union County may terminate the Contract without cause by first giving thirty (30) days prior written notice of its intent to do so. Notice hereunder shall be deemed to have been sufficiently given if given in person to the Supplier, or sent by registered mail at the addresses specified in the Contract.

# 16. RIGHT TO KNOW ACT

The provisions of N.J.S.A. 34:5A-I et seq. and N.J.A.C 5:89-5 et seq., which require the labeling of all containers of hazardous substances are applicable to this contract. Therefore, all goods offered for purchase to the County or used by a contractor in the course of any construction, maintenance, repair or performance of a concession must be labeled and stored by the contractor in compliance with the provisions of the Act. Containers that the law and rules require to be labeled shall show the Chemical Abstracts Service number of all the components and the chemical name. Further, all applicable Material Safety Data Sheets (MSDS) aka hazardous substance fact Sheet, must be furnished.

#### **EXHIBIT A**

# MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE 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 Public Contracts Equal Employment Opportunity Compliance 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 Public Contracts Equal Employment Opportunity Compliance for conducting a compliance investigation pursuant to **Subchapter 10 of the Administrative Code at N.J.A.C. 17:27**.

# **BUSINESS REGISTRATION CERTIFICATE**

# New Mandatory Requirement – Effective 1/18/2010

The recently enacted **P.L. 2009, c.315**, requires that effective January 18, 2010; a contracting agency must receive proof of the Proposer's business registration prior to the award of a contract. However, the proof must show that the Proposer was in fact registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

If subcontractors are named on the bid, proof of the business registration for each must be provided prior to the award of a contract. Similarly to the Proposer, the proof must show that each subcontractor was registered with the State of New Jersey Department of the treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

Proof of business registration shall be:

- A copy of a Business Registration Certificate issued by the Department of the Treasury, Division of Revenue; or
- A copy of the web printed version provided by the NJ Division of Revenue

Register online at <a href="www.nj.gov/treasury/revenue/busregcert.shtml">www.nj.gov/treasury/revenue/busregcert.shtml</a>. Click the "online" link and then select "Register for Tax and Employer Purposes or call the Division at 609-292-1730.

Note: A N.J. Certificate of Authority is not acceptable.

**FAILURE** to submit proof of registration of the Proposer or any subcontractor named on the bid is considered a **MANDATORY REJECTION** of bids (A **NON-WAIVABLE DEFECT**). This covers construction work as well as non-construction bids.

# IN ADDITION:

The contractor shall provide written notice to all **subcontractors and suppliers** not specifically named on the bid of the responsibility to submit proof of business registration to the contractor. The requirement of proof of business registration extends down through all levels (tiers) of the project.

Before final payment on the contract is made by the contracting agency, the contractor shall submit an accurate list and the proof of business registration of each subcontractor or supplier used in the fulfillment of the contract, or shall attest that no subcontractors were used.

For the term of the contract, the contractor and each of its affiliates and a subcontractor and each of its affiliates [N.J.S.A. 52:32-44(g)(3)] shall collect and remit to the Director, New Jersey Division of Taxation, the use tax due pursuant to the Sales and Use Tax Act on all sales of tangible personal property delivered into this State, regardless of whether the tangible personal property is intended for a contract with a contracting agency.

A business organization that fails to provide a copy of a business registration as required pursuant to section 1 of P.L.2001,c.134 (C.52:32-44 et al.) or subsection e. or f. of section 92 of P.L.1977,c.110 (C.5:12-92), or that provides false business registration information under the requirements of either of those sections, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration copy not properly provided under a contract with a contracting agency.

**INTENT:** It is the purpose and intent of this specification to provide for the purchase and delivery of TWO (2) DUMP TRUCKS for the County of Union (The County). The County has evaluated different types of Dump Trucks and has determined that a 2018 or newer Mack Granite 64BR MHD with any and all specified accessories and features is best suited for the needs of the County pertaining to safety, quality, performance, and long term operational costs. This specification is not to be interpreted as restrictive, but rather as a measure of the safety, quality and performance against which all bids will be compared. The County reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities.

**EQUIVALENT PRODUCT:** Bids will be accepted for consideration on any make or model that is equal to or superior to the Dump Truck specified. Further, equivalent products for all accessories carrying a brand name will also be considered. Variations of any features of a proposed equivalent product from the features of the specified brand name may be acceptable if judged to be in the best interest of The County. Decisions of equivalency will be at the sole interpretation of The County. A blanket statement that products proposed will meet all requirements will not be sufficient to establish equivalence. Brochures published by the original manufacturer of the proposed unit should be submitted with the proposal. Bidder must be prepared to demonstrate a unit similar to the one proposed, post bid.

**STANDARD:** The specification herein states the minimum requirements of The County. Unauthorized conditions, limitations, or provisions will be cause for rejection. The County may consider as "irregular" or "non-responsive" and reject any bid not prepared and submitted in accordance with the bid document and specification, or any bid lacking sufficient technical literature to enable The County to make a reasonable determination of compliance to the specification. It will be the bidder's responsibility to carefully examine each item of the specification. Failure to offer a completed bid or failure to respond to each section of the technical specification (COMPLY: YES/NO) will cause the proposal to be rejected without review as "non-responsive". All variances, exceptions and/or deviations should be fully described in the appropriate section.

**AWARD OF CONTRACT:** The contract will be awarded to the lowest responsible, responsive bidder and is subject to the availability and appropriation of sufficient of funds by the County of Union pursuant to N.J.S.A. 40A:11-15.

**PAYMENT:** Payment to Vendor is to be made within forty five (45) days after the receipt of Vendor's invoice and a signed County voucher attesting to the delivery of the goods and services by some officer or duly designated employee of the using County entity and after approval of the appropriate Department head. The Vendor shall prepare invoices and shall submit them to the office/designated employee of the using county entity.

The vendor <u>will not</u> provide any goods and/or services without a valid and current purchase order from the County unit indicating account number and encumbrance.

CERTIFICATE OF OWNERSHIP: At time of <u>delivery</u> the winning bidder will provide the following. The manufactures certificate of origin along with a check in the amount of \$60.00 (sixty dollars) PER VEHICLE payable to NJ-MVC. No other arrangements or considerations will be accepted. Vendor MAY NOT hold Certificate of Origin until payment is received.

**DELIVERY TIME**: MUST BE WITHIN 300 days of awarding the bid.

**DELIVERY:** Delivery will be to Union County Department of Public Works, 2371 South Avenue, Scotch Plains NJ 07076. Hours of Operation are 7:30 am to 4:00 pm Monday through Friday. Delivery may be scheduled by Contacting Joseph Policay at (908) 789-3657 or (908) 789-3680.

**OPTIONS:** In the case of a discrepancy/contradiction between the standard equipment and the optional equipment specified, the optional equipment indicated shall always prevail.

**OTHER:** Operator, Parts and Service Manuals for chassis, body, electric spray system, salt spreader, and snow plow must be provided by vendor. Submit two copies of literature on the equipment being bid on.

Total price to include all items listed in the specifications, freight, preparation and delivery.

Any questions regarding the bid can be emailed to <a href="ucbids@ucnj.org">ucbids@ucnj.org</a> or faxed to the Division of Purchasing, clearly marked with the BID # and BID NAME, at (908) 527-4130. If necessary, the Purchasing Director will then issue a clarification.

# 2018 OR NEWER MACK GRANITE 64BR MHD 14 FT/10-13 YD DUMP TRUCK WITH PLOW AND HITCH AXLE BACK TANDEM DESIGN CHASSIS

# **Engine Equipment**

- ISL9-d Cummins 350hp @ 2200 RPM (gov) 1150 lb.-ft. Us"17
- Air cleaner, 11" single element Donaldson steel severe service/high dust
- Alternator: Delco 12v 160a brush type
- Batteries: (3) Mack 12 volt group 31 650/1950 CCA threaded stud type terminals
- Bug Screen: Winterfront cover over radiator
- Texaco long life engine coolant # 7998 with nitrites (50/50 mix) to 34°F
- Spin on canister w/o chemical for use w/ Texaco extended life coolant
- Engine brake Jacobs
- Fan drive: Kysor fan on/off
- Cooling performance 1240 square inch radiator
- Heated Davco 382 fuel-water separator to be provided with manual drain valve
- Electric engine preheater
- Silicone radiator & heater hoses with breeze clamps
- Aluminum radiator core
- Starter:12 volt Delco 39 MT-MXT
- Oil pan steel
- Furnish a tether device for cap retainer for oil fill & radiator overflow
- Tank and battery box
- Silicone engine hoses and tubing

| EXACT COMPLIANCE: YES | NO* | <u> </u> |
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# Transmission

- Allison RD3000 RDS (6) speed automatic, vocational
- Shift to neutral with parking brake engaged; no exceptions
- Synthetic lubricant for transmission
- Driveline-main: Meritor 1760 MXL "Xtended lube"
- Allison transmission dipstick under hood (with single exhaust)

# Front Axle/Tires

- Front axle: 16,500 lbs. capacity
- Front brake dust shields (required)
- Front wheels steel (2) 22.5 x 9.00" 10-hole hub piloted (powder coat white)
- Brakes Front 16.5" x 6" Q+
- Brake drums front: Cast outboard mounted
- Front tires: 11R22.5 16H Bridgestone M483
- Front hubs: Ferrous
- Grease type front oil seals
- Front shock absorbers
- Slack adjusters front automatic
- Front springs: Multileaf HD 16,500 lbs. capacity
- Steering: Sheppard power M110P + M90

| • One (1) spare tire and spa |     |       |   |  |
|------------------------------|-----|-------|---|--|
| EXACT COMPLIANCE:            | YES | _ NO* | - |  |
| *DEVIATIONS:                 |     |       |   |  |
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# Rear Axle

- 40,000 lb. MT-40-XD Meritor hypoid (low entry)
- 4S/4M system for wheel end sensors
- Rear tires: Bridgestone 11R22.5 14 Ply Traction type M710
- Rear axle ratio: 5.29
- Rear wheels: Steel disc 22 ½" x 8 ¼" (10 hole) powder coated white
- Rear brakes: 16 ½" x 7" Q+
- Rear brake drums: Cast outboard mounted
- Dust shields required on rear brakes
- Rear hubs: Ferrous
- Rear axle oil seal: PremiumSlack adjusters: rear automatic
- Suspension: 40,000 lbs. capacity type MT-40-14XD Hendrickson Tandem HMX 400
- Brake chambers: 2 MGM Tamper resistant chambers: Reclock inlet ports to 2 & 10 o'clock positions for maximum ground clearance
- Spring brake chambers size: Type 30/30 rear
- Synthetic lubricant for rear axle
- One (1) spare tire and spare rim for rear axle

| EXACT COMPLIANCE: | YES | _ NO* |
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| *DEVIATIONS:      |     |       |
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NAME OF BIDDER:

# Frame/Wheel Base/Platform

| <ul> <li>Frame rails 11.811" x 3.5</li> <li>for partial IC reinforcement</li> <li>Frame reinforcement</li> </ul>  | nt   |                      | 0.8 cubic inches/RBM | 1 3,580,000 in lbs. per rail |
|---|--|----------------------|----------------------|------------------------------|
| EXACT COMPLIANCE:   |  |                      |                      |                              |
| DEVIATIONS:   |  |                      |                      |                              |
| Frame Equipment/Fuel Ta   | unks   |                      |                      |                              |
| Front bumper: Ext. swep<br>Cross members: BOC and<br>Front frame extension: 2<br>Towing device: two from<br>Fuel tank: LH 66 Gallon<br>Stainless steel fuel tank so<br>Def tank: 6.6 gallon L/S | nd intermediate 0" for snow plo t hooks Aluminum (ste straps | cross members, steel | heavy duty back to b | ack channel type             |
| EXACT COMPLIANCE:   | YES  | NO*                  |                      |                              |
| DEVIATIONS:   |  |                      |                      |                              |
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|   | NAM  | ME OF BIDDER:        |                      |                              |

### Air Brake

- Air dryer: Meritor/WABCO Heated Air Dryer, 1200 with coalescing oil
- Anti-lock brake system, Meritor/WABCO without automatic traction control
- Air control valves: Meritor switches and valves where possible
- Drain valves: manual valves with lanyard on supply tank only
- Never seize on all internal moving brake parts prior to assembly

| EXACT COMPLIANCE: | YES | _ NO* |      |
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| *DEVIATIONS:      |     |       |      |
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# Cab

- Integral heater and defroster with air conditioner
- Dash control/power supply/local installation plow lights with lead furnished at grille, W/2W/3W weather
- Cab configurations, L.H-drive CA68 conventional cab
- Cab mounting: Air suspension, no exceptions
- Two (2) extra dash mounted illuminated toggle switches
- Door interior trim panels: Padded vinyl with arm rest pads
- Front fender extensions
- 5 lb. fire extinguisher between seat base and door first aid kit and flare kit
- Gauges required: Exhaust pyrometer transmission oil temperature gauge, manifold pressure, air application, engine coolant temperature, oil pressure and engine oil temperature, voltmeter
- Speedometer w/ trip odometer
- Engine tachometer
- Gear shift: Dash mounted shifter
- Glass- heated tinted windshield. Only tint side and rear window
- Diagonal grab handle mounted to the front of driver's inside door to assist in entry
- Grille: Black finish bars w/o surround radiator mounted
- Vinyl covered foam padded headliner
- Polyurethane heavy duty floor mats

| EXACT COMPLIANCE: | YES | _ NO* |      |
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| *DEVIATIONS:      |     |       | <br> |
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NAME OF BIDDER:

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### Other

- Hood and fender: composite material tiltable with inspection hatch
- Bumper to back of cab dimension minimum 120"
- Air horn: 2 rectangular single trumpet (one each side of cab roof) with snow shields
- Electric horn, single tone
- Clearance lights (5) Grote LED lamps, cab mounted
- Instrument cluster display: Co-pilot drive display (enhanced 4.5" diagonal graphic LCD display with 4-button stalk control
- Interior trim: Slate gray vinyl headliner and seat covering
- Mirrors exterior: West Coast RH and LH bright finish, heated
- Mirrors: Convex type, bright finish LH and RH 8.0" diameter mounted below arm of West Coast mirror, heated
- Overhead console: Two (2) compartments with netting and center compartment for radio
- Power outlets: Two (2) 12-volt auxiliary power outlets dash mounted
- AM/FM, CD, Radio stereo with weather band, hands-free Bluetooth
- Automatic shutoff for radio system when operator shifts transmission to reverse
- Emergency triangle kit inside cab at base of rider seat
- Driver seat: High-back air suspension 4 chamber, air lumbar, bolster, ext. Inbound mounted arm rest
- Rider seat: Non air suspension high back with integral storage compartment
- Seat covering all vinyl
- Lap and shoulder belts with fixed D-ring for driver and rider seats. Should be orange.
- •Steering column: adjustable tilt and telescoping
- •Storage pouch: Rear cab wall
- Sun visor: Exterior painted to match cab
- Interior sun visor: Both sides vinyl padded
- Windshield: 2-piece windshield, heated
- Windshield wipers: Two speed electric motor with intermittent feature and artic blades required

| EXACT COMPLIANCE: | YES     | NO*     |      |
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| *DEVIATIONS:      |         |         |      |
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| NAME OF BIDDER: |  |
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# Electrical

- Rear tail lamps multi-purpose
- Work lights, RH/LH/LED work light (steps and ground) on both sides of truck
- Battery box covers molded plastic
- Chassis and power harness with heavy duty casing
- Battery box: Mounting right hand behind SCR (Selective Catalyst Reduction Emission Control Device)
- Battery disconnect switch: Main switch mounted inside cab
- Battery box shock pads
- Dash-mounted indicator for body hoist up "bodybuilder lamp"
- Electric circuit protection package, all circuits fuse/breaker protected
- Interface connector: Waterproof electrical connectors sprayed with protective coating "body link" III with cab pass thru
- Two extra dash mounted toggle switches
- Solid state Trucklite heavy duty signal flasher

| Solid state Truckine neav | y duty signal masner |         |      |
|---------------------------|----------------------|---------|------|
| EXACT COMPLIANCE:         | YES                  | _NO*    |      |
| *DEVIATIONS:              |                      |         | <br> |
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- Cab exterior: one solid color, non-metallic
- Cab: Urethane clear coat finish
- Chassis running gear, black (urethane)
  Front wheels pre-finished: Powder coated white

| EXACT COMPLIANCE: YES                      | NO*                        |              |  |
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| PTO/Specialty/Additional Equipment         |                            |              |  |
| • PTO-Trans mounted furnish TC421 for us   |                            | trans        |  |
| • PTO control: PTO switch and light with v | viring and piping          |              |  |
| EXACT COMPLIANCE: YES                      | NO*                        |              |  |
| *DEVIATIONS:                               |                            |              |  |
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| Chassis must conform to the EPA requirem   | ents for all model year 20 | 016 engines. |  |
| EXACT COMPLIANCE: YES                      | NO*                        |              |  |
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| NAME OF BIDDER:                            |                            |              |  |

# 2018 OR NEWER MACK GRANITE 64BR MHD 14' 10-13 YD. DUMP BODY

• 14' at bottom. 13'4" at top. 10-13 cubic yard capacity.

Dimensions

| • Sides: 34"  |   |
|---|---|
| <ul><li>Tailgate: 42"</li><li>Front: 42"</li></ul>  |   |
| • All 201 stainless steel construction exce   | pt as noted   |
| • All hardware above the floor should be  |   |
| EXACT COMPLIANCE: YES   | NO*   |
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| *DEVIATIONS:  |   |
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| <ul> <li>2" wide board pockets</li> <li>One piece reversible bend side construct</li> <li>Side rub rail: 45° slope</li> </ul> | egral to the side, not welded on, dirt-shedding NO* |
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| NAM   | IE OF BIDDER:                                       |

# Tailgate

- Double-walled construction and should be sloped
- Outer wall should be 10 gauge 201 stainless steel, 35,000 PSI yield strength, 85,000 PSI tensile strength
- Outer wall should be a single formed panel for added strength, welded on braces are unacceptable
- Center section should be fully boxed and 100% welded to the side rails
- Top rail and bottom rail should be integral to the fully boxed center section, welded on rails are unacceptable
- There should be no exterior horizontal welds
- Inner wall will be ½" 201 stainless steel, 35,000 PSI yield strength, 85,000 PSI tensile strength
- All horizontal surfaces will be a 45° dirt shedding design
- Should have sloped top rear corner pillar, 4" x 12 3/4" full depth
- Welds should be continuous
- 1  $\frac{1}{2}$ " thick upper tailgate hinges should be 201 stainless steel, offset forward approx. 5" and should have 1  $\frac{1}{4}$ " stainless steel pivot pins with Zerk lubrication
- •Lower latch pins 1 1/4" stainless steel
- Upper and lower dogleg slotted chain keepers should be 201 stainless steel with sufficient plated chain to allow tailgate to lay flat
- Three chutes with lift-out type control should be installed in tailgate, add a 2" x 1/4" stainless steel shield above chutes with a downward angle to prevent stones from getting wedged between the door and gate
- Add loop at rear gate to assist in lifting off of truck

| EXACT COMPLIANCE: | YES | NO* | _ |  |
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| Floor & Under Structure  |
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| Floor should be fabricated from 3/8" 201 stainless steel, 35,000 PSI yield strength, 85,000 PSI tensile strength 6" radius floor wings at sides should be 7 gauge 201 stainless steel Western (no cross member) understructure 9" fabricated trapezoidal longitudinal to have 1/4" 201 stainless steel, 7 gauge stainless steel outer wall with 35,000 PSI yield strength and 85,000 PSI tensile length. I-beam longitudinal are unacceptable. Install a stainless steel "U" shaped trench 3"H x 8"W x 7'L to the underside of the body on the curb-side of the body. Start at the trench two feet from the rear. This trench should be open on each end and will be used to side the salt spreader lines from the back of the cab to the rear of the truck. |
| EXACT COMPLIANCE: YESNO*   |
| DEVIATIONS:  |
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# Tailgate Latch

• Should be retractable type with minimum 1" 201 stainless steel flame cut finger • Air actuated with a 3 ½" air cylinder installed EXACT COMPLIANCE: YES \_\_\_\_\_\_NO\*\_\_\_\_ \*DEVIATIONS: Lights and reflectors • Should meet federal FMVSS no. 108 L.E.D. type • Combination stop/turn tail lights must be recessed and mounted high in rear corner pillars along with two more cut-outs for strobe and back-up light. • Clearance lights should also be recessed for protection and mounted in rubber sockets • Wiring should be one piece and in a plastic convoluted loom • Body-up light should be included EXACT COMPLIANCE: YES \_\_\_\_\_\_NO\*\_\_\_\_ \*DEVIATIONS: \_\_\_\_\_ Roller Combo Hoist model RC690 • NETA performance class 90 • standard double acting cylinder • Two single stage cylinders • Cylinder bore 6" • Cylinder stroke 32 ½" • 2 3/8" cylinder shaft diameter • Cylinder shaft should be chromed SW85 steel, 85,000 PSI yield strength • Maximum operating pressure of 2000 PSI

NAME OF BIDDER:

• Internal bypass to protect cylinder from damage

- Base port size for raise SAE-12 (1-16) rod port lower SAE-10 (7/8-14)
- Cylinder displacement up 1087 cubic inches, cylinder displacement down 1001 cubic inches
- Load capacity of 28.4 tons for 14' body length
- 50° dumping angle
- 16-5/8" mounting height
- Hoist should have patented "Roller Combo" design with the initial lift point ahead of the center line of the body, directing the force of the hoist cylinder upward for more breakaway power before transferring it to a scissors action
- Greaseless composite bearings at all critical pivot points
- Full length sub frame for added stability
- Sub frame has 4 <sup>3</sup>/<sub>4</sub>" high, fabricated of <sup>1</sup>/<sub>4</sub>" A1011 steel 50,000 PSI yield, 65,000 PSI tensile strength
- Rear binge fabricated with 5" x 3" x 3/8" structural angle and greaseless composite bearings
- Hinge pins 1 <sup>3</sup>/<sub>4</sub>" x 5 13/16" C1045 steel round with composite bearings
- Body prop to support empty body weight
- Hoist weight approximately 1lb.

| EXACT COMPLIANCE: YES | NO* | _ |  |  |  |  |
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NAME OF BIDDER:

### Cab shield

- Should be 7 gauge 201 stainless steel, 35,000 PSI yield strength, and 85,000 PSI tensile strength
- Should be full width, 88 ½" wide
- Should attach by welding 100% within stainless steel welding wire
- Should project over cab (24")
- Horizontal portion should have a 9° slope
- Four LED strobe lights recessed in cab shield, two facing front and one on each side. Here should be a cover plate to protect the back side of the light and the wires. The wires should run up the front of the body in a steel tube on top of the cab shield from light to light
- Ladder & step left front corner made out of grip strut. Two grab handles above step
- Rubber mud flaps behind rear wheels and stainless steel shields ahead of wheels
- 8" wood sideboards painted to match body
- Recessed in rear corner post of body should be rubber mount over L.E.D. stop/turn lights, rubber mount L.E.D. back-up light and rubber mount L.E.D. strobe light on each side of the gate
- Two (2) L.E.D. rubber mount strobe lights recessed inside of body running board. All above lights wired to switch on dash and wire for alternative flashing
- The truck should have frame extension for front of mount plow hitch installed

| EXACT COMPLIANCE: | YES | _ NO* |  |  |  |  |  |  |
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NAME OF BIDDER:

### Pintle Hook and Associated Items

- A framed steel plate of industry required thickness, with a minimum capacity of 60,000 pounds gross trailer weight, full width of chassis frame rails, with 3" return flange at bottom should be bolted to chassis frame
- Bottom and side support gussets should be included. Two (2) swivel cold roller steel "D" loops, 3" ID minimum should be attached to bottom flange. Properly sized grade 8 bolts should be used throughout installation
- The bottom of the pintle hook plate should be 29-1/2" from the ground
- A pintle hook should be attached to the frame plate via grade 8 bolts and in accordance with manufacturer's specifications
- Capacity of pintle hook should be 60,000 pounds gross trailer weight
- Placement of the glad hands, light plugs, and the light, cannot be installed until the County goes over the placement of these items
- Glad hands and electrical connector should be supplied with the truck chassis cab, and should be relocated to the rear pintle plate supporting the tow hitch. The glad hands and electrical connector should be installed at a convenient and practical location on the rear plate
- A nonmetallic weather proof 7-way trailer socket (Cole Hersee or equivalent) should be mounted through the hook plate and wired to the chassis using TTMA standards
- Wiring should be connected via a high impact plastic, chemical resistant, surface mount junction box with eight (8) identified terminal posts and chassis supplied connection point. Junction box should have a screw lid with O-ring seal. All wiring to and from the junction box should be via a three piece compression fitting including a PVC grommet sized to fit wiring. Junction box should be located for ease of service and to avoid contamination.

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| Tarp and Roller   |
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| A tarp system (Aero 575 or equivalent) should be provided and attached to dump body  Tarp system should be sized to completely cover a loaded dump body  The design should be aluminum spring arm type and include a neoprene material to withstand use with blacktop operations  The entire unit should be built to withstand severe service throughout all phases of duty and weather All operation should be controller by a single person from inside the cab  All arm tension devices should be mounted to the dump body  An electric 12V DC switch should be used to cover and uncover the load and a full width heavy duty roller hould be provided to store the tarp cover  A wind deflector should be integral with the cab shield face. |
| EXACT COMPLIANCE: YESNO*  |
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| NAME OF BIDDER:   |

# Poly-Fenders

- Life time polyethylene single axle fenders, model PF200-68-132X
- One piece and installation brackets B607
- Add a set of rubber mud flaps to the rear bottom of the poly-fender

| EXACT COMPLIANCE: | YES | _NO* |      |
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| *DEVIATIONS:      |     |      |      |
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# Hydraulic Pump/Hot Shift PTO

- The hydraulic pump should be an axial piston pressure and flow compensated load-sensing type
- Should have a displacement of 5.61 cubic inches per revolution at a maximum stroke which should deliver 23.7 GPM @ 1000 engine RPM
- Should have a minimum of a 2" suction line and a ½" control drain line plumbed directly back into the reservoir
- Should be rated for 5800 PSI maximum and 4800 PSI continuous

EXACT COMPLIANCE: YES \_\_\_\_\_NO\*\_\_\_

- Should have a Din type flange
- Should be Force America BDTXV92R or equivalent.
- Should be driven by a hot shift PTO that is mounted to the MD series transmission
- PTO should run at 90% of the engine speed

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NAME OF BIDDER:

# Shut Down System

There should be a sensor for low oil mounted in the top of the reservoir which is an open circuit rated for 3 amps. When the oil reaches a critical level this circuit should close sending a signal to the hot shift power take off, disengaging the pump and shutting off the flow of oil to the system. At the same time, a signal should be sent to an indicator mounted in the cab alerting the operator of system shut down. A low oil manual override switch will allow the operator to momentarily override the system shutdown to raise the plow or lower the dump body.

| EXACT COMPLIANCE: | YES | _NO* |      |
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# Reservoir/Valve Enclosure

- Should be 35 gallons nominal capacity
- Should be constructed of 10-gauge stainless steel and be internally baffled
- Mounting bracket should be designed and supplied by the reservoir supplier
- Mounting system should allow for a 1" frame clearance for frame obstructions
- Should be mounted in a manner as to not transmit any truck torsional loads thru the tank
- Enclosure should use a no-gasket passive technology (no rubber seals, gaskets or weather stripping)
- Enclosure lid should be easily removable
- All valve fittings, hose ends, filter, filter breather, sending units and any electrical connections should be protected by enclosure cover
- The reservoir supplier should provide all valve fittings (JIC connections) and plumb the return line from the valve to the filter
- The cover should protect from both road and pressure washer spray
- The use of bulkhead fittings is not permitted
- The directional control valve must be easily accessible from all six sides without the use of tools.
- Hose exit and entrance must allow for components to be mounted adjacent to the enclosure
- A 2" full flow brass ball valve should be plumbed at the suction port of the tank
- The valve/tank assembly should be a Force America model BDVT35

| EXACT COMPLIANCE: | YES | _ NO* |  |
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| *DEVIATIONS:      |     |       |  |
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| Filter  |
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| <ul> <li>Hydraulic oil filter should be mounted in the reservoir</li> <li>Filter should be BDTEF31016VP16SP-UG60E115</li> <li>Should be a 16-micron absolute and rated 60 GPM or higher</li> <li>Filter should come with both a visual and electrical bypass indicator</li> <li>A warning light should be mounted in the cab and wired to the electrical indicator</li> </ul> |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
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| Valve Controls  |
| <ul> <li>Valve controls should be a remote control system with dynamic rod seal cables</li> <li>Cables should be bulkhead connections at the hydraulic valve sections</li> <li>Valve controls should be mounted at the right of the driver</li> <li>The section should have a center lock to prevent accidental actuation</li> </ul>  |
| NAME OF BIDDER:   |

• A combination of a single or dual axis levers stacked together for operation of the remaining sections in hydraulic valve bank • The controllers should be in an enclosed tower • Cable core should be stainless steel capable of 100 pounds of push and pull EXACT COMPLIANCE: YES \_\_\_\_\_\_NO\*\_\_\_ \*DEVIATIONS: Spreader Valve • Should be load sensing dual flow regulator, pressure compensated type with manual on/off control • Both control knobs should have 11 detent positions • Valve should be mounted on a stand with all hoses enclosed in a location accessible by the driver • Spreader should be a Parker QDL-12-A07-B16-NR or equivalent EXACT COMPLIANCE: YES \_\_\_\_\_\_NO\*\_\_\_\_ \*DEVIATIONS: \_\_\_\_\_ Control Valve • Should be a load sensing type with O-ring ports • Mid-inlet section porting should be #16 inlet, #20 outlet, #16 hoist section, #4 load sense port, and #10 or #12 for other sections • The hoist section should be stacked on one side of the mid-inlet and all other sections should be stacked on the other side • All ports should be level with each other so as to lay flat on its base • There should be a main relief in the mid-inlet section that should be set at 3000 PSI to protect the system from being over-pressurized • Valve should be Force America Add-A-Stack® • Valve section to be arranged as follows: 1) Hoist, 4-way for a double acting cylinder with down side work port relief set at 500 PSI, Mid-inlet transition section 2) Plow lift, 4-way for a double acting cylinder with flow control

| XACT COMPLIANCE: YESNO*  |
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| DEVIATIONS:  |
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| ydraulic Lines and Plumbing  |
| All hydraulic lines and plumbing should be of sufficient capacity so as to not create heat or turbulence within ydraulic system  Suction line between reservoir and pump should be a minimum of two (2) inches in diameter with a minimum SAE100-R4 rating and should be secured at both ends via heavy duty banding straps (radiator hose amps are unacceptable)  All pressure hoses should have swivel fittings on both ends and have a minimum SAE 100-R2 rating Return lines and case drain should have a minimum SAE 100-RI rating  Hydraulic lines should be routed to minimize interference with equipment and chassis components requiring eriodic servicing. Support brackets, grommets and tie wraps should be provided where appropriate to protect nes from damage by abrasion, cutting or impact.  Hoses should not be routed near exhaust manifolds pipes, bolts, sharp edges, and exhaust system to prevent lear, fatigue, or fire.  Pipe fittings should not be used in any high-pressure line. Maximum distance between support clamps on all ydraulic lines should be 24 inches.  XACT COMPLIANCE: YES |
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NAME OF BIDDER: \_\_\_\_\_

| Custom Hitch Plow Mount-Tilt Over  • Should include 1 1/2" thick side plates reinforced and bolted as far back on the truck frame as feasible  • Both vertical risers and top horizontal member should be from a minimum of 4" x 3" x 1 1/2" angle, while the  |
|--|
| Custom Hitch Plow Mount-Tilt Over  • Should include 1 1/2" thick side plates reinforced and bolted as far back on the truck frame as feasible  • Both vertical risers and top horizontal member should be from a minimum of 4" x 3" x 1 1/2" angle, while the  |
| Custom Hitch Plow Mount-Tilt Over  • Should include 1 1/2" thick side plates reinforced and bolted as far back on the truck frame as feasible  • Both vertical risers and top horizontal member should be from a minimum of 4" x 3" x 1 1/2" angle, while the  |
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| Custom Hitch Plow Mount-Tilt Over  • Should include 1 1/2" thick side plates reinforced and bolted as far back on the truck frame as feasible  • Both vertical risers and top horizontal member should be from a minimum of 4" x 3" x 1 1/2" angle, while the  |
| • Both vertical risers and top horizontal member should be from a minimum of 4" x 3" x 1 1/2" angle, while the   |
| <ul> <li>horizontal member that the base of the lift cylinder pins to should be a minimum of 4" x 4" x 1 1/2" angle</li> <li>The attachment should be supported across the bottom by a 6" x 4" x 3/4" angle</li> <li>No pump bracket should be supplied to the hitch</li> <li>Bottom horizontal member should be fitted with four (4) 1 1/2" thick plow attaching lugs, which offer push height selections on 21" centers via two (2) 1 1/4" pins</li> </ul> |
| EXACT COMPLIANCE: YESNO*   |
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| Lift Cylinder  |
| <ul> <li>Should be 4" x 10" double acting</li> <li>Lift Yoke: should be triangularly shaped weldment from ¼" plate to ½" plate</li> <li>Should attach to the hitch with no less than a 1" cold rolled pin and security locknut</li> <li>Lift yoke swivel should be attached to the lifting end of the lift yoke with no less than a 1" grade 5 bold and locknut</li> </ul>   |

NAME OF BIDDER: \_\_\_\_\_

| EXACT COMPLIANCE: YESNO*  |
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| *DEVIATIONS:  |
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| Lift Group • Should consist of a 3/8" midlink that connects the lift yoke to a piece of 3/8" transport chain that is 24" long   |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
| Quick Disconnects for Lift Cylinder   |
| • Should attach directly to the lift cylinder with two (2) ½" x 2" extra heavy pipe nipples • Rubber dust caps should be provided to protect the quick disconnects when not in use • Should be able to connect under pressure |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
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#### Moldboard

- Should be 11' long and no less than 36" high inside of the top radius
- Should have an integral snow deflector that extends a maximum of 12" fore of the cutting edge
- Should be brake formed (not rolled) from no less than 8 H.R.M.S. sheet
- Should include integral formed channel at the leading top edge of the snow deflector to provide rigidity
- Should be supported by no less than eight (8)  $\frac{1}{2}$ " thick vertical ribs, six of which serve as pushframe connection points
- Additional moldboard support should be provided by a lower horizontal member from not less than 5" x 5" x ½" structural angle. Angle should also have hinge lugs welded to it and serve as the trip edge attachment member
- Trip edge should be fabricated from not less than 4" x 4" x 3/4" structural angle and should be punched with 11/16" diameter boles to AASHTO standards, to accommodate either angle or multiple cutting edges
- The trip edge angle should be reinforced with a minimum of eight (8)  $\frac{1}{2}$ " triangular gussets and have hung lugs welded to the top
- The trip edge should attach to the moldboard with no less than a 1 ½" diameter hot rolled steel bar
- The steel bar should slide through the hinge lugs and through five (5) 7/8" diameter x 3 3/4" x 17 3/8" torsion springs. Each spring should be capable of preload adjustment

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| EXACT COMPLIANCE: YESNO*   |
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| AR Cutting Edge (12" punched)  • The cutting edge should be a 1/2 " x 6" x 132" from SAE/AISI C1085 steel, and be center punched with 11/16" square holes on 12" centers to AASHTO standards  • Should attach to the moldboard with no less than 5/8" grade carriage bolts with locknuts |
| EXACT COMPLIANCE: YESNO*   |
| *DEVIATIONS:   |
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| Rubber Cutting Edge • Should be 1 ½" x 10" x 120" long • Blade should be 12" punched to AASHTO standards with 11/16" x 3" slots center to center • It should attach to the moldboard with no less than 5/8" grade 5 carriage bolts   |
| EXACT COMPLIANCE: YESNO*   |
| *DEVIATIONS:   |
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| NAME OF BIDDER:  |

#### Manual Reverse Pushframe

- Should consist mainly of two (2) truss members and a main drive frame angle
- Truss member should be from 4" x 3" x 3/8" angle
- Main drive angle should be from a 6" x 4" x ½" angle
- Four (4) additional pieces of 4" x 3" x  $\frac{1}{2}$ " angle should be welded perpendicularly to the main drive angle connecting with the truss members so to form a rigid structure. Two (2) of which serve as support for the trip mechanism
- Three (3) sets of 1 1/2" thick lugs should be provided for pinning the moldboard to the pushframe over an 80" span
- Three (3) 1 1/4" cold rolled steel pins should connect the moldboards to the pushframe
- A locking plate cut from 1 1/2" steel plate indexed with seven (7) total locking positions should be welded to two (2) truss members
- The pushframe should be capable of being locked into any of these positions with a  $1\frac{1}{4}$ " cold rolled steel pin (0 to  $35^{\circ}$  to right or left of center).
- The pivot frame should be fabricated from two (2) pieces of 4" x 2" x  $\frac{1}{4}$ " rectangular tube welded to form with a 1 15/16" cold rolled steel pin through a 3  $\frac{1}{2}$ " OD x  $\frac{3}{4}$ " wall tube

| EXACT COMPLIANCE: | YES | NO*           | <u>—</u> |
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| *DEVIATIONS:      |     |               |          |
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#### **Brace Arms**

- The arm assemblies are pin-connected under double shear load via a 1 1/2" thick connecting rib at the moldboard and one (1)  $\frac{1}{2}$ " thick connecting lug at the reversing frame
- Each arm assembly should be connected to the moldboard with no less than a  $\frac{3}{4}$ " bolt and to the pushframe with no less than a  $\frac{3}{4}$ " pin
- Should be constructed from no less than two (2) ½" thick bars and one (1) 5/8" thick bar
- $\bullet$  Should also serve the dual purpose of allowing adjustment of the moldboard cutting edge angle from 25° from vertical to 10° from vertical

| EXACT COMPLIANCE: YESNO*   |
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| *DEVIATIONS:   |
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| Chain Lift with Chain Block  |
| <ul> <li>Lifting device should consist of one chain that is connected to the pushframe with no less than 3/8" midlinks</li> <li>Should be routed through a chain block and should slide left or right when the plow is reversed</li> </ul> |
| EXACT COMPLIANCE: YESNO*   |
| *DEVIATIONS:   |
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| 21" Swivel   |
| • Rear of the plow drive frame should be fitted with a swivel bar<br>• Swivel bar should oscillate about a 1 ½" grade 5 bolt allowing the plow to follow the contour of the plowing surface  |
| • Should consist of a <sup>3</sup> / <sub>4</sub> " thick horizontal plate equipped with two (2) drive ears fabricated from 1 1/4" thick plate on 21" centers, which include 1 5/16" diameter drive pin holes                              |
| • Drive ears are constructed to pin to corresponding attaching lugs at the bottom of a truck mounted attachment hitch  |
| EXACT COMPLIANCE: YESNO*   |
| *DEVIATIONS:   |
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NAME OF BIDDER: \_\_\_\_

### Moldboard Shoe

- 10" moldboard should be manufactured from a wear plate of 1 ½" steel plate
- Mounting plate and gussets from  $\frac{1}{2}$ " plate steel should be welded to the top of the wear plate to allow a  $10^{\circ}$  attack angle when the shoe is flat on the ground
- Moldboard shoe should be secured with two (2) 5/8" grade 5 carriage bolts and locknuts

| EXACT COMPLIANCE: YESNO*  |
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| *DEVIATIONS:  |
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| Curb Shoe • Manufactured from 5/8" steel plate welded to a piece of 2 1/8" cold rolled steel • Should be secured with two (2) 5/8" grade 5 bolts, washers and locknuts  |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
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| Screw Adjustable 12" Carbide Mushroom Shoe  • Pushframe shoes should be cast, have 63 square inches of bearing surface and have Brinell hardness of 475-550 and have carbide steel on the bottom  • Pushframe shoes should be secured with two (2) 3/4" grade 5 square bolts and grade 8 locknuts  • Should be mounted on vertical screw-adjustable brackets  • Handles for the adjusting brackets should be secured with a hair pin when not in use  EXACT COMPLIANCE: YES |
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| Angled End Option (Top of Moldboard)  |
| • Top corners of moldboard should be angled toward its center so that when the plow is rotated completely to the right or to the left, it should reduce the amount of upper moldboard extending beyond the curb edge. There should be inclusive ribs to support these angled edges.   |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
| NAME OF BIDDER:   |

### Moldboard End Markers

| <ul><li>End markers on plow sho</li><li>Curb bumpers should be</li></ul>                                      |      | to not break off) |                             |
|---|------|-------------------|-----------------------------|
| EXACT COMPLIANCE:   | YES  | NO*               |                             |
| *DEVIATIONS:  |      |                   |                             |
| Plow Lights   |      |                   |                             |
| <ul><li>Should be supplied wired switch</li><li>Should be mounted on from the supplied wired switch</li></ul> |      |                   | ntrolled by the truck light |
| EXACT COMPLIANCE:   | YES  | NO*               |                             |
| *DEVIATIONS:  |      |                   |                             |
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|   | NAME | OF BIDDER:        | <br>                        |

### SWENSON EV-150 SS SALT SPREADER – Specifications

This specification will describe a V-box material spreader capable of hauling and spreading free-flowing granular materials from a width of four (4) to forty (40) feet. This unit will consist of a hopper, discharge/feed conveyor, spinner disc, power drive, and all components necessary to make a complete operating unit. The successful bidder must provide a complete proposal drawing, which accurately shows the exact model to be provided including all of the options and units loaded and unloaded weights and centers of gravity. These drawings must be provided within 48 hours of award. The unit will be factory ready to accept or retrofit servo controls. All stainless steel used in the productions of this unit should be corrosion resistant, non-magnetic stainless steel. Bidders must submit the unit they propose to furnish with their bid.

### Body

- Should be constructed of 12 gauge stainless steel with a double crimped top edge forming a 2" section for greater rigidity
- Hopper body length should be no less than twelve (12) feet with two (2) feet of longitudinal overhang for supporting the spinner assembly
- The hopper should not be more than 82" outside with the side height no greater than 56"
- Hopper capacity should be 8.1 cubic yards water level full
- $\bullet$  The body sides should be 12 gauge stainless steel and should have no less than a 45° pitch to ensure free flow of material to the conveyor
- The ends should also be 12 gauge stainless steel
- The body longitudinal should be manufactured of 10 gauge stainless steel and be slotted for easy gear box/driveshaft removal
- Channel cross should be 7 gauge stainless steel that tie the lower edge of the longitudinal to each side support. These cross supports should be wide enough to allow the hopper box to be mounted on various width truck frame or slide into a dump box
- A 4" x 6" formed stainless steel bolt in the box beam should be elevated 3" above the top of the hopper, thus providing a longitudinal brace and hinge point for the top screens
- There should be a 3" formed stainless channel welded under the H beam to each hopper side for additional side support
- The body and conveyor should be electrically welded into a rugged solid unit
- A 10 gauge stainless steel 12" x 18" stainless steel feed gate and ruler should be provided at the rear of the hopper to allow for accurate discharge
- A screw type jack with a self-locking stainless steel crank should be provided
- There should be 12 gauge formed stainless steel side supports that extend the full angle height spaced on 2' centers
- A heavy-duty stainless steel lift book should be on each corner
- The rear endplate should be reinforced inside and supported outside to give it a maximum strength
- All stainless steel joints should be welded with stainless steel welding wire
- All sub-assemblies should be secured with stainless steel hardware

| EXACT COMPLIANCE: | YES NO*_      |    |  |
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#### Conveyor

- Should be of chain bar flight type running longitudinally with the body feeding material to the feed gate opening
- Should be no less than 24"
- Top edge of the longitudinal should be formed down over the strands exposing only the drag chain bar to the material to protect the chain link strands
- •conveyor floor should be manufactured from 10 gauge stainless steel, be of the flat design, and be replaceable with rollover edges
- The conveyor floor should be supported on 12 gauge stainless steel crass angles spaced approximately 12" apart
- Gearbox should have hardened and ground bronze gears mounted on a 2" diameter drive shaft and supported on tapered roller bearings
- Gears should be machine cut and mounted in anti-friction sealed bearings, and should be running in oil
- Gearbox ratio should be 50:1
- The drive sprockets should be 8 tooth drop forged steel, keyed to the 2" diameter drive shaft
- The idler sprockets should be 8 tooth drop forged steel with one welded and one floating on the 2" idler shaft
- Both of the conveyor shafts should have heavy duty, dust sealed self-aligning four bolt flange equipped with grease fittings
- Should have an internal front wiper and an external rear wiper
- A heavy duty spring-loaded idler adjustment assembly should provide 4" of adjustment for proper chain tension
- There should be extension pipes to allow the front idler bearings to be adjusted at the rear of the hopper

| EXACT COMPLIANCE: YES | NO* | _ |
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#### Conveyor Chain

- Should be beat treated 2 1/4" pitch self-cleaning pintle-type with 7/16" pins and a tensile strength per strand of 21,000 pounds
- Should utilize 3/8" x 1 ½"W x 18 ¾"W crossbars welded on both the top and bottom to every other link making an overall width of 22"
- Crossbars should be positioned on approximately 4.5" centers

| EXACT COMPLIANCE: | YES | . NO* |      |
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| *DEVIATIONS:      |     |       |      |
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### Spinner Assembly

- The distributor disc should be 20" diameter, made up of polyurethane and have six fins
- The distributor disc should be mounted on a steel replaceable hub connected directly to the top mounted motor
- The material should be guided from the conveyor to the distribution disc by means of two internal, adjustable deflectors
- Deflectors should control the spread pattern from left to right by controlling where the material drops onto the disc
- Unit should have a material diverter plate installed in the rear face of the spinner extension to facilitate material unloading without the need to reposition the entire spinner
- Diverter plate should be adjustable without tools
- Entire spinner assembly should be manufactured of 12 gauge stainless steel, should be adjustable in height to accommodate either the slip-in V-box or chassis-mounted V-box
- •There should be a front fixed shield, and three adjustable baffles, which are removable without the use of tools
- The entire spinner assembly should be capable of repositioning without the use of special tools to allow for cleaning, storage and unloading from the conveyor without the interference from the spinner assembly

| EXACT COMPLIANCE: | YES | _ NO* |  |
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| *DEVIATIONS:      |     |       |  |
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### Power Drive

- Conveyor chain should be driven through the worm drive gearbox by a low speed, high torque and orbital type hydraulic motor
- Motor should be directly coupled to the gearbox and protected from the elements by the housing
- Gearbox should have a provision for a servo sensor integral with the drive shaft

| EXACT COMPLIANCE: YESNO*  |
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| *DEVIATIONS:  |
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| Top Screens   |
| • Should be constructed of 3/8" steel rods welded to form a 2.5" square mesh, which should be framed by a combination of 1/4" x 1 1/2" flat steel and 2" angle iron with the edge supports reinforced by 1/4" x 1" flat bars • Should be removable and use Drop-N-Lock type binge • Hardware that may vibrate lose will not be acceptable |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
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| Nylon Strap Hold Down Kit   |
| • A kit for mounting the spreader to the dump body of the truck should be provided. It should include four (4) ratchet nylon straps that are 2" x 5" with a minimum load rating of 10,000 lbs. • Should also include four (4) J latches, and four (4) reinforcing plates for attaching the straps to the dump body and the approader.     |
| and the spreader  Two 2" x 4" wood runners should be mounted under the spreader cross members and bolted to the spreader in the same direction as the chassis frame rails to assist when washing out the spreader as it is still attached to the dump body  |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
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NAME OF BIDDER:

#### Tailgate Latch Kit

- The tailgate latch kit is used for additional support undercutting the V-box spreader into the body
- An angle iron of 4" x 4" and sufficient length to reach the tailgate latches should be furnished along with two  $1 \frac{1}{4}$ " x 10" shafting

| EXACT COMPLIANCE: YESNO*  | _  |
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| *DEVIATIONS:  |  |
| Inverted Vee • Should be height adjustable and located approximately 8" to 10" above. • This inverted vee should be made be made of 10 gauge stainless steel inside supports that are welded to the hopper  |  |
| EXACT COMPLIANCE: YESNO*  | _  |
| *DEVIATIONS:  |  |
| Chain Oiler • There should be a stainless steel chain oiler of the gravity feed type p (1) gallon • Should provide oil for each side of the conveyor chain by means of a plastic 1/4" tubing. Plastic tanks are not acceptable as they can shatter in | rovided with a minimum capacity of one brass drip valve, and non-corrosive |
| EXACT COMPLIANCE: YES NO*   | _  |
| *DEVIATIONS:  |  |
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#### **Grease Extension**

- An anodized 6061T6 aluminum grease manifold block should be mounted at the rear of the body incorporating the front bearing grease extension tubes, rear bearing grease fittings, and feed gate screw jack from a single location
- Other fittings should be placed at a convenient location for normal maintenance
- •The anodized 6061T6 aluminum grease manifold block should have a minimum of six (6) ports tapped to accept three (3) 1/8" straight grease zerks and three (3) 1 1/8" grease parflex hoses to provide for adequate one location greasing of the front and rear bearings and feed gate screw jack
- Any unused ports should be properly plugged
- All hoses incorporated into the grease manifold block system should be parflex hose manufactured by Parker Hannifin Corporation and should have an inside diameter of 1/8", a maximum working pressure of 2500 PSI and a minimum burst pressure of 10,000 PSI
- The hoses used must be held in place by a sufficient number of rubber cushioned clamps

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| EXACT COMPLIANCE: YESNO*  |
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| Rear Drop Diverter Plate  |
| <ul> <li>Spinner assembly should have a rear mounted diverter plate built in to the spinner extension</li> <li>Diverter plate should cover the spinner hopper so that the material is deposited to the rear of the spreader without striking the spinner disc</li> <li>The diverter should be manufactured from 10 gauge steel and should be able to be positioned without the use of tools</li> <li>EXACT COMPLIANCE: YESNO*</li> </ul>  |
| *DEVIATIONS:  |
| Standard Light Bar with Strobes   |
| <ul> <li>The light bar should include 6" oval amber strobe lights</li> <li>Light bar should be made from stainless steel and LED stop, turn, tail ID and marker lights</li> <li>6" oval and 2" round lights should have a shield over the lights to protect it from falling salt</li> <li>All wiring should be sealed and have a waterproof junction box mounted on the back of the spreader for the mechanic to check each circuit</li> <li>The light bar should be easily mounted with four bolts</li> <li>The junction box should have an 8" pigtail with a 7 pin trailer plug and receptacle</li> <li>A 4" spreader work light should be provided pointing at the spinner</li> <li>Strobe and work lights should be turn on/off from an internal switch in the cab, which is protected by a circui breaker</li> </ul> |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
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NAME OF BIDDER:

| Rubber Side Shields   |
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| <ul> <li>Heavy duty rubber belting made with 2-ply polyester rubber should be sandwiched between two stainless steed flat bars and bolted together; one of the flat bars should be welded at the top side of the spreader and run the fullength of the spreader box</li> <li>This rubber should be 36" wide and as long as the spreader</li> <li>Should have rubber tie-downs at the lower front and rear to securing the flap to the dump body EXACT COMPLIANCE: YESNO*</li> </ul>   |
| *DEVIATIONS:  |
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| Quick Couplers and Hoses  |
| <ul> <li>The conveyor and spinner pressure lines should have the hose quick disconnect mounted directly on the hydraulic motors and return from the motors should "T" together and then have a quick coupler at the "T".</li> <li>There should be matching quick couplers mounted on the side of the truck behind the cab</li> <li>A set of matching couplers should be installed on both ends of three rubber lines which should run a trough mounted to the underside of the body to hold them when the salt spreader is connected</li> </ul> |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
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| NAME OF BIDDER:   |

#### Painting

EXACT COMPLIANCE: YES

• All stainless steel should be left unpainted • Carbon steel components should be chemically cleaned and coated with lead free rust inhibitive primer and painted with lead free black enamel EXACT COMPLIANCE: YES \_\_\_\_\_NO\* \*DEVIATIONS: \_\_\_\_\_ Leg Stand • The spreader should come equipped with a storage sand system designed to be bolted or welded directly to the • This skid type arrangement should be constructed entirely of structural tubing • The main frame should be constructed of 3" x 4" x ½" tubing • There should be sufficient lateral bracing constructed of ½" x 3" x 3/16" tubing to support the hopper • There should be longitudinal supports constructed of ½" x 3" x 3/16" tubing with holes spaced on 24" centers for mounting to hoppers • The forward leg should be constructed of 3 ½" x 3 ½" x 3/16" tubing and should telescope inside the upper leg that is constructed of 4" x 4" x 3/16" tubing for storage • Lower rear legs should be equipped with a swivel mounted foot to provide additional stability during loading and unloading operations • All metal should have the mill scale removed by means of shot blasting • The unit should then go through a series of high-pressure chemical wash and rinse stages • A power resin should be applied to all metal surfaces • Immediately following the application of power, the steel should then be heated to a minimum of 375° F for no less than 10 minutes • The finished product should be black

| ADDITAL ATTOMIC |      |      |
|-----------------|------|------|
| *DEVIATIONS:    | <br> | <br> |
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NO\*

### SWENSON MODEL LSSE ELECTRIC SPRAY SYSTEM – Specifications

- This system should provide for an electric spray system, designed to spray a constant deicing solution on the material being spread
- The system should be complete with a liquid spray pump, in cab controls, two (2) nozzle hose kits, spray tank, and necessary hoses and fittings to complete the system
- The system should be capable of spraying calcium and magnesium chloride, glycol, liquid urea, or other liquid deicing solutions
- All components should be rated at 150 PSI working pressure and be compatible with materials used. Steel fittings are unacceptable.
- A complete operating/instruction manual should be provided

| EXACT COMPLIANCE: YESNO*  |
|---|
| DEVIATIONS:   |
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| Orive System  |
| The electric motor/pump combination should be a 12 volt DC three-chamber diaphragm pump with an internal circuit breaker Pump seal should consist of a Viton/Santoprene combination The pump box should be polypropylene The pump should be rated at 3.0 GPM Output should remain constant regardless of conveyor/spinner speed |
| EXACT COMPLIANCE: YES NO* *DEVIATIONS:  |
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NAME OF BIDDER: \_\_\_\_

### Controls

| • The sprayer control should include a spray system on/off switch, power on indicator, variable pump flow control knob backlight, low pressure light, and alarm for empty tank/inadequate nozzle pressure indicator   |
|---|
| • One piece harness with sealed "weather pack" connector and disconnect should be included with the system  |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
|   |
|   |
| Sprayer Reservoir   |
| <ul> <li>There should be two 90 gallon polyethylene rotation molded reservoir baffled reduce surging, complete with screen line strainers, shut off valve, and mounting hardware</li> <li>The reservoir should be angle formed for mounting to the side and between the body supports of the V-box</li> </ul> |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
|   |
|   |
| Nozzles   |
| • There should be two (2) flexible nozzles that vary in orifice sizes based on liquid cores, discs, and mounting hardware   |
| EXACT COMPLIANCE: YESNO*  |
| *DEVIATIONS:  |
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| NAME OF BIDDER:   |

### BID FORM Page 1 of 1

HAVING CAREFULLY READ THE NOTICE TO BIDDERS, SPECIFICATIONS AND INSTRUCTIONS TO BIDDERS, THE UNDERSIGNED HEREBY AGREES TO PROVIDE AND DELIVER **DUMP TRUCKS** FOR THE DIVISION OF MOTOR VEHICLES OF THE COUNTY OF UNION IN ACCORDANCE TO THE SPECIFICATIONS. DO NOT ALTER THE FORMAT OF THE BID FORM PAGE IN ANY MANNER UNDER THE PENALTY OF DISQUALIFICATION.

| QUANTITY    | DESCRIPTION        | X       | UNIT PRICE      | = | GRAND TOTAL       |
|-------------|--------------------|---------|-----------------|---|-------------------|
| 2           | DUMP TRUCKS        | x       | \$              | = | \$(NOT TO EXCEED) |
|             | ODY MAKE, MODEL    |         |                 |   |                   |
| SPRAYER MA  | AKE, MODEL, YEAR _ |         |                 |   | _                 |
|             | DER MAKE, MODEL,   |         |                 |   |                   |
| SNOW PLOW   | MAKE, MODEL, YEA   | AR      |                 |   | _                 |
|             | _ocation:          |         |                 |   | _                 |
| _           | DAYS AFT           | TER AWA | ARD OR ORDER (M |   | FACTOR IN AWARD)  |
| *NOTE: DELI | VERY MUST BE WIT   | HIN 300 | DAYS            |   |                   |
|             | NAN                | ME OF B | IDDER:          |   |                   |

#### **BIDDER SIGNATURE PAGE**

Rev. 9/20/05

- 1. If doing business under a <u>trade name</u>, <u>partnership</u> or a <u>sole proprietorship</u>, you must submit the bid under <u>exact title</u> of the trade name, partnership, or proprietorship, and the bid must be signed by either the <u>owner</u> or a <u>partner</u> and <u>witnessed</u> by a <u>notary public</u>.
- 2. If a <u>Corporation</u>, the bid must be signed by the <u>President</u> or <u>Vice President</u> and <u>witnessed</u> by <u>Corporate Secretary</u>, (Corporate title must be exact) and <u>affix corporate seal</u>.
- 3. Other persons <u>authorized</u> by <u>Corporate Resolution</u> to execute agreements in its behalf may also sign the bid documents (pages).
- 4. The Person who signs this bid form <u>must also sign</u> the <u>Non-Collusion Affidavit</u>.

| 5. You <u>cannot</u> witness your own signature. |                              |
|--|------------------------------|
|  | NAME OF BIDDER               |
| SIGNATURE<br>CORPORATE SECRETARY                 | ADDRESS OF BIDDER            |
| PRINT NAME AND TITLE<br>CORPORATE SECRETARY      | TELEPHONE:FAX:EMAIL:         |
|  | BY:SIGNATURE                 |
| AFFIX CORPORATE SEAL                             | DATE                         |
| AFFIA CORI ORATE SEAL                            | PRINT OR TYPE NAME AND TITLE |

<u>WARNING</u>: FAILURE TO FULLY, ACCURATELY, AND COMPLETELY SUPPLY THE INFORMATION REQUESTED ON THIS PAGE MAY RESULT IN THE REJECTION OF YOUR BID AS NON-RESPONSIVE

### **BUSINESS REGISTRATION**

### **Mandatory Requirement**

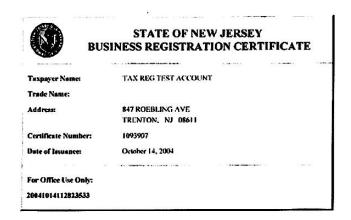
**P.L. 2009, c.315**, requires that effective January 18, 2010; a contracting agency must receive proof of the bidder's business registration prior to the award of a contract. However, the proof must show that the bidder was in fact registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

If subcontractors are named on the bid, proof of the business registration for each must be provided prior to the award of a contract. Similarly to the bidder, the proof must show that each subcontractor was registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

Proof of business registration shall be:

- A copy of a Business Registration Certificate issued by the Department of Treasury, Division of Revenue; or
- A copy of the web printed version provided by the NJ Division of Revenue





### ATTACH BRC HERE

STATEMENT OF OWNERSHIP DISCLOSURE
N.J.S.A. 52:25-24.2 (P.L. 1977, c.33, as amended by P.L. 2016, c.43)

This statement shall be completed, certified to, and included with all bid and proposal submissions. Failure to submit the required information is cause for automatic rejection of the bid or proposal.

| <u>Name</u>     | of Organization:   |  |  |  |  |
|-----------------|--|--|--|--|--|
| <u>Orgar</u>    | nization Address:  |  |  |  |  |
| <u>Part</u>     | I Check the box that represents the  | type of business organization:   |  |  |  |
|                 | ole Proprietorship (skip Parts II and III,   | execute certification in Part IV)  |  |  |  |
| $\square_{N}$   | on-Profit Corporation (skip Parts II and   | III, execute certification in Part IV)   |  |  |  |
| $\square_{F_0}$ | or-Profit Corporation (any type)   | Limited Liability Company (LLC)  |  |  |  |
| _               | artnership Limited Partnership  ther (be specific):  | Limited Liability Partnership (LLP)  |  |  |  |
| <u>Part</u>     | <u>II</u>  |  |  |  |  |
|                 | percent or more of its stock, of any opercent or greater interest therein, or  | nd addresses of all stockholders in the corporation who own 10 class, or of all individual partners in the partnership who own a 10 r of all members in the limited liability company who own a 10 s the case may be. ( <b>COMPLETE THE LIST BELOW IN THIS</b> |  |  |  |
|                 | No one stockholder in the corporation owns 10 percent or more of its stock, of any class, or no individual partner in the partnership owns a 10 percent or greater interest therein, or no member in the limited liability company owns a 10 percent or greater interest therein, as the case may be. ( <b>SKIP TO PART IV</b> ) |  |  |  |  |
| (Pleas          | e attach additional sheets if more space   | ce is needed):   |  |  |  |
| Na              | me of Individual or Business Entity  | Home Address (for Individuals) or Business Address   |  |  |  |
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## <u>Part III</u> DISCLOSURE OF 10% OR GREATER OWNERSHIP IN THE STOCKHOLDERS, PARTNERS OR LLC MEMBERS LISTED IN PART II

If a bidder has a direct or indirect parent entity which is publicly traded, and any person holds a 10 percent or greater beneficial interest in the publicly traded parent entity as of the last annual federal Security and Exchange Commission (SEC) or foreign equivalent filing, ownership disclosure can be met by providing links to the website(s) containing the last annual filing(s) with the federal Securities and Exchange Commission (or foreign equivalent) that contain the name and address of each person holding a 10% or greater beneficial interest in the publicly traded parent entity, along with the relevant page numbers of the filing(s) that contain the information on each such person. Attach additional sheets if more space is needed.

| Website (URL) containing the last annual SEC (or foreign equivalent) filing | Page #'s |
|---|----------|
|   |          |
|   |          |
|   | 1        |

Please list the names and addresses of each stockholder, partner or member owning a 10 percent or greater interest in any corresponding corporation, partnership and/or limited liability company (LLC) listed in Part II other than for any publicly traded parent entities referenced above. The disclosure shall be continued until names and addresses of every noncorporate stockholder, and individual partner, and member exceeding the 10 percent ownership criteria established pursuant to N.J.S.A. 52:25-24.2 has been listed. Attach additional sheets if more space is needed.

| Stockholder/Partner/Member and<br>Corresponding Entity Listed in Part II | Home Address (for Individuals) or Business Address |
|--|--|
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### Part IV Certification

I, being duly sworn upon my oath, hereby represent that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I acknowledge: that I am authorized to execute this certification on behalf of the bidder/proposer; that the *County of Union* is relying on the information contained herein and that I am under a continuing obligation from the date of this certification through the completion of any contracts with *County of Union* to notify the *County of Union* in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I am subject to criminal prosecution under the law and that it will constitute a material breach of my agreement(s) with the, permitting the *County of Union* to declare any contract(s) resulting from this certification void and unenforceable.

| Full Name (Print): | Title: |  |
|--------------------|--------|--|
| Signature:         | Date:  |  |

#### NON-COLLUSION AFFIDAVIT

Rev. 1/22/93

| STATE OF   |  |
|--|--|
|  | SS:  |
| COUNTY OF  |  |
|  |  |
| I  | of the City of, in the County State of, of full age, being duly sworn  |
| of and the                                       | State of, of full age, being duly sworn  |
| according to law, on my oath depose and say      | y that: I am of the firm of  |
| that I avacuted the said Proposal with full av   | he bidder making the Proposal for the above named project, and<br>thority to do so; that said bidder has not, directly or indirectly,  |
|  | any collusion, or otherwise taken any action in restraint of free,   |
|  | above named project; and that all statements contained in said   |
|  | correct, and made with full knowledge that the COUNTY OF   |
| UNION, NEW JERSEY relies upon the tr             | ruth of the statements contained in said Proposal and in the   |
| statements contained in the affidavit in awardin | ig the contract for the said project.  |
| contract upon an agreement or understanding for  | gency has been employed or retained to solicit or secure such for a commission, percentage, brokerage or contingent fee, except tablished commercial or selling agencies maintained by N.J.S.A. 52:34-15). |
|  | Sign Name Here   |
| Subscribed and sworn to before                   | (Original signature only; stamped  |
| Me this, 20                                      | signature not accepted)  |
|  |  |
| Notary Public of the State of                    | <del></del>  |
| My Commission expires                            |  |
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### NOTE TO NOTARY: WHEN COMPLETING THIS JURAT, ALL NOTARIES MUST:

1. Indicate date. 2. Indicate State. 3. Sign name. 4. Affix name by Printing it, typing it, using a rubber stamp, using an impression seal or using a mechanical stamp.

Note: The person who signed the bid form for the bidder should sign this form also.

WARNING: IF YOU FAIL TO FULLY, ACCURATELY AND COMPLETELY FILL OUT THIS AFFIDAVIT OF NON-COLLUSION, YOU BID WILL BE REJECTED.

### REQUIRED AFFIRMATIVE ACTION EVIDENCE

General Requirements of P.L. 1975, c. 127: You are hereby put on notice that:

### A. Procurement, Professional & Service Contracts

| ndors must submit within seven days of the notice of intent to award or the signing of the se following: <b>PLEASE CHECK ONE</b>   |
|--|
| A photocopy of your Federal Letter of Affirmative Action Plan Approval   |
| OR   |
| A photocopy of your Certificate of Employee Information Report   |
| OR   |
| A completed Affirmative Action Employee Information Report (AA302)   |
| does not submit the affirmative action document within the seven days the County of the vendor as being non-responsive and award the contract to the next lowest bidder. |
| Print or type FIRM NAME here   |
| Sign NAME and TITLE here (Original signature only, stamped signature not accepted)   |
| Print or type NAME and TITLE here  |

Print or type DATE

#### AMERICANS WITH DISABILITIES ACT

#### EQUAL OPPORTUNITY FOR INDIVIDUALS WITH DISABILITIES

The contractor and the <u>County of Union</u> (hereafter "Owner") do hereby agree that the provisions of Title II of the Americans With Disabilities Act of 1990 (the "Act") (42 U.S.C. S12.101 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 thereunto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the Owner pursuant to this contract, the contractor agrees that the performance shall be in strict compliance with the Act. In the event 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 Owner in any action or administrative proceeding commenced pursuant to this Act. The contractor shall indemnify, protect, and save harmless the Owner, 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, any 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 Owner's grievance procedure, the contractor agrees to abide by any decision of the Owner which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the Owner, or if the Owner 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 Owner 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 Owner or any of its agents, servants, and employees, the Owner shall expeditiously forward or have forwarded to the contractor every demand, complaint, notice, summons, pleading, or other process received by the Owner or its representatives.

It is expressly agreed and understood that any approval by the Owner 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 Owner pursuant to this paragraph.

It is further agreed and understood that the Owner 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 provisions 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 Owner from taking any other actions available to it under any other provisions of this Agreement or otherwise at law.

(Please print or type)

| Signature | _ Date |
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NAME OF BIDDER:

# COUNTY OF UNION NEW JERSEY Division of Purchasing DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN FORM

| Solicitat  | ion Number:  | Ve  | ndor/Bidder:   |
|--|--|---|--|
|  |  |   | PART 1 CERTIFICATION LETE PART 1 BY CHECKING ONE OF THE BOXES KES WILL RENDER THE PROPOSAL NON-RESPONSIVE  |
| complete the is identified. The Chapt this list puresponsive be appropriate the complete the com | the certification be<br>d on the State of I<br>er 25 list is found<br>fior to completing<br>If the Director of<br>tiate and provided | low to attest, under penalty of perju<br>New Jersey, Department of the Treat<br>on the Department's website at he<br>to the below certification. <b>Failure</b><br>of the Division of Purchase and Prop<br>by law, rule or contract, including<br>and seeking debarment or suspensi | omits a bid or proposal or otherwise proposes to enter into or renew a contract mustry, that neither the person nor entity, nor any of its parents, subsidiaries, or affiliates sury's Chapter 25 list as a person or entity engaged in investment activities in Iran tp://www.state.nj.us/treasury/pdf/Chapter25List.pdf. Vendors/Bidders must review to complete the certification will render a Vendor's/Bidder's proposal nonerty finds a person or entity to be in violation of the law, s/he shall take action as may but not limited to, imposing sanctions, seeking compliance, recovering damages on of the party.  THE APPROPRIATE BOX |
| C  | or affiliates is liste   | d on the N.J. Department of Treasur   | that neither the Vendor/Bidder listed above nor any of its parents, subsidiaries, y's list of entities determined to be engaged in prohibited activities in Iran aard Part 2 and complete and sign the Certification below.  |
| ☐ F  | isted on the Depar<br>and sign and comp  | tment's Chapter 25 list. I will provi-<br>lete the Certification below. Failure   | rendor/Bidder and/or one or more of its parents, subsidiaries, or affiliates is le a detailed, accurate and precise description of the activities in Part 2 below to provide such information will result in the proposal being rendered as sanctions will be assessed as provided by law.   |
|  | cked Box "B" a   | bove, provide a detailed, accura  | PART 2 ATION RELATED TO INVESTMENT ACTIVITIES IN IRAN e and precise description of the activities of the Vendor/Bidder, or one of its tivities in Iran by completing the information below.  |
| DESCRIF<br>DURATION<br>ANTICIP<br>VENDOR<br>VENDOR   | ONSHIP TO VE<br>PTION OF ACT<br>ON OF ENGAG<br>ATED CESSAT<br>BIDDER CON   | VITIES: EMENT: TON DATE: TACT NAME: TACT PHONE#:  |  |
| attachment<br>information<br>of any con<br>aware that<br>prosecution   | s hereto, to the ben contained herein tract(s) with the C it is a criminal and under the law, a                                      | nat I am authorized to execute this est of my knowledge are true and a, and that the Vendor/Bidder is undounty of Union to notify the Coun offense to make a false statement  | CERTIFICATION  certification on behalf of the Vendor/Bidder, that the foregoing information and any complete. I acknowledge that the County of Union, New Jersey is relying on the er a continuing obligation from the date of this certification through the completion by of Union in writing of any changes to the information contained herein; that I amor misrepresentation in this certification. If I do so, I will be subject to criminal h of my agreement(s) with the County of Union, permitting the County of Union to intenforceable.  |
| Signature  |  |   | Date   |
| Print Name   | e and Title  |   | <del></del>  |

### WARRANTY

| Attach or provide description of war | rranty for chassis, bo | ody, electric spray sy | stem, salt spreader, a | and snow plow. |
|--------------------------------------|------------------------|------------------------|------------------------|----------------|
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|                                      | NAME OF BIDDE          | R:                     |                        |                |

### MANUFACTURER'S BROCHURES

| Attach copy of the Manufacturer's Brochures for the chassis, body, electric spray system, salt spreader and now plow. |  |
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| NAME OF BIDDER:   |  |

### NEW JERSEY MOTOR VEHICLE COMMISSION DEALER LICENSE

| attach or provide copy of New Jersey Motor Vehicle Commission Dealer License. |  |  |
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| NAME OF BIDDER:   |  |  |

### MANUFACTURER'S STATEMENT OF ORIGIN

| Attach or provide copy of Manufactur | rer's Statement of Origin. |  |
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### REFERENCES

| Attach or provide copy of three (3) re | eferences.      |  |
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| 1                                      | NAME OF BIDDER: |  |

## COUNTY OF UNION ACKNOWLEDGEMENT OF RECEIPT OF ADDENDA

The undersigned Bidder hereby acknowledges receipt of the following Addenda(s):

|            | Addendum Number               | <u>Dated</u>             | Acknowledge Receipt (Initial) |
|------------|-------------------------------|--------------------------|-------------------------------|
|            |                               |                          | (muai)                        |
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| cknowledge | ed for:(Nar                   | me of Bidder)            | _                             |
|            | (1vai                         | ne of Bidder)            |                               |
| y:         |                               |                          | _                             |
|            | (Signature of Authorized      | l Representative)        |                               |
| ama:       |                               |                          |                               |
| ume        | (Print or Type)               |                          | •                             |
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|            |                               |                          |                               |
|            | Please <u>Do</u> <u>Not</u> s | submit if you did not re | ceive Addenda(s)              |
|            |                               |                          |                               |
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|            |                               |                          |                               |
|            |                               |                          |                               |
|            | NAME OF BID                   | DDER:                    |                               |