



Solicitation Information

January 30th, 2004

RFP #: B03367
TITLE: **DUMP TRUCKS**

Submission Deadline: 10:00 EST, Wednesday, February 25th, 2004.

PRE-BID/ PROPOSAL CONFERENCE: No
Date:
Time:
Mandatory:
Location:

Questions concerning this solicitation may be e-mailed to the Division of Purchases at questions@purchasing.state.ri.us no later than 12 PM EST, Friday, February 20th, 2004.

Please reference RFP # B03367 on all correspondence. Any questions received will be answered and posted on the Internet as an addendum to this solicitation. It is the responsibility of all interested parties to download this information.

SURETY REQUIRED: No
BOND REQUIRED: No

Jerome D. Moynihan, C.P.M, CPPO
Administrator of Purchasing Systems

Bidders must register on-line at the State Purchasing Website at www.purchasing.ri.gov.

NOTE TO BIDDERS:

Offers received without the entire completed three-page RIVIP Generated Bidder Certification Form attached may result in disqualification.

THIS PAGE IS NOT A STATE CERTIFICATION FORM

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I. OVERVIEW OF RFP PROCESS

A. STATEMENT OF PURPOSE

The State of Rhode Island would like to invite your company to respond to this Request For Proposal (RFP) to supply the Department of Transportation with Dump Trucks.

In accordance with the State's General Terms and Conditions, this RFP is being initiated as part of a larger cost reduction initiative to fully leverage Rhode Island's spending and best purchasing practices to institute relationships with vendors that optimize quality, service and pricing to the State. This initiative should also result in more disciplined contract purchasing on the part of all Rhode Island departments, agencies and institutions of higher education, with adherence to the vendors and products selected during the course of this process.

B. PROPOSAL FORMAT

The Rhode Island Department of Administration (DOA), Division of Purchases, on behalf of the Rhode Island Department of Transportation, is soliciting proposals from qualified firms to provide Dump Trucks under a statewide contract, as described elsewhere herein, and in accordance with the terms of this RFP and the State's General Conditions of Purchase, which is available on the internet at www.purchasing.ri.gov. This is a Request for Proposal(s) (RFP), not an Invitation for Bid. In addition to price, responses will be evaluated on the basis of the relative merits of the proposal. There will be no public opening and reading responses received pursuant to this RFP, other than to name those Bidders who have submitted proposals.

C. RFP DEFINITIONS

Whenever the following terms are used in this document, the definitions below should be used for interpretation:

C.1 "THE STATE" or "RHODE ISLAND": The State of Rhode Island and Providence Plantations, and all associated departments, agencies and institutions of higher education unless otherwise explicitly listed as included or excluded. The issuing agency, the Department of Administration (DOA), will administer the contract on behalf of all contract users across Rhode Island.

C.2 "BIDDER": Any individual, company, or corporation formally submitting a proposal for the products or services being requested, acting directly or through a duly authorized representative.

C.3 "CONTRACT": Any written agreement between a bidder and the State for the purchase of a product or service, including any contracts issued at the conclusion of this RFP process.

C.4 "CONTRACTOR": Any individual, company, or corporation that has been awarded a contract by the State of Rhode Island following this RFP process.

C.5 “CONTRACT USERS”: All State departments, agencies, institutions of higher education, other designated public bodies and other entities (e.g., municipalities and school districts) authorized to utilize State of Rhode Island contract pricing.

C.6 “PROPOSAL”: The complete response of the Bidder(s) submitted on the approved forms offering prices and service levels for performing the work or supplying the material or equipment described in the specifications set forth herein.

D. SCOPE OF PROPOSAL

This Request For Proposal(s) (RFP) includes expenditures on Dump Trucks as well as all associated options, and warranties. Last year the Rhode Island’s spend was approximately \$1.5 million for these purchases.

E. PROCESS FOR EVALUATING PROPOSAL

Please read through all sections of the RFP carefully and provide the information as requested. Details for preparing your proposal are provided in RFP Section II “Instructions for Responding to This Proposal”. The overall criteria that will be used to evaluate your proposal are as follows:

E.1 Evaluation Criteria: The State will commission a Category Evaluation Team composed of Rhode Island purchasing agents and, where applicable, a selection of key category end-users from across Rhode Island government bodies that will review and score all proposals using the following criteria:

Element	Weighting (out of 100 points)
Pricing – Vehicle Acquisition Cost	80 points
Additional Discounts and Rebates	10 points
Technical Proposal	5 points
Experience in serving state government clients	5 points

If determined in writing by the Chief Purchasing Officer that it is in the best interest of the State, this Request for Proposal(s) may be cancelled or all offers rejected, and all submitted Bidder proposals may be rejected. [Rhode Island Purchasing Law 37-2-23].

E.2 Selection: The Category Evaluation Team will present written findings, including the results of all evaluations and negotiations, to the Chief Procurement Officer, who will make the final selection for this requirement.

Notwithstanding the above, in accordance with the State’s General Terms and Conditions the State reserves the right to accept or reject any proposal, to award on the basis of cost alone, to conduct additional negotiations, and to act in the best interest of taxpayers and end users.

E.3 Award: This RFP will result in one or more contracts covering the Vehicle needs of the State for the period of time designated in this RFP and/or established as the result of final negotiations with one or more successful Bidders. Additional orders placed after this contract will pay no greater amount than contract specified pricing. Although it is the State's general intent to award a single contract pursuant to this offer, the State will award multiple contracts if it is in the best interest of the State.

One or more contracts will be issued, incorporating all agreed contract pricing, terms and conditions.

F. RFP PROCESS, TIMING AND CHECKLIST OF KEY DATES

Proposals will be opened on **February 25th, 2004 at 10:00 AM EST.**

Any additional information pertaining to this RFP or changes in the timeline may be posted on an as-needed basis. It is the responsibility of the Bidder to regularly review the RIVIP website, www.purchasing.ri.gov, to check for any additional postings.

It is strongly suggested that the Bidders mark this RFP on the RIVIP Vendor Watchlist for ease of monitoring critical information and amendments. Assistance in using this RIVIP feature can be obtained by reviewing the online tutorials available under the Vendor Center Section or by contacting the RIVIP Help Desk at (401) 222-2141 x134.

G. SUBMITTING QUESTIONS

To assure that Bidders can submit the best offers, a question and answer period has been scheduled to provide Bidders with the opportunity to obtain clarification or additional necessary information about the RFP content.

All questions about this RFP must be submitted in writing, as an MS Word attachment via e-mail to questions@purchasing.state.ri.us.

Questions should reference, where applicable, the specific section of the RFP by its numerical reference and its associated page number.

All questions will be answered in writing publicly as an addendum to the RFP. Both the questions and the answers will be included in the addendum.

H. TERMS AND CONDITIONS GOVERNING RESPONSES TO THIS RFP

H.1 Completeness and Adherence to RFP Instructions: Potential Bidders are advised to review all sections of this RFP carefully and to follow instructions completely, as failure to offer a complete submission as described elsewhere herein may result in rejection of the proposal and disqualification of the Bidder from further participation.

H.2 Deadline, Format and Location of Proposal Submission: Proposals misdirected to other State locations or which are otherwise not present in the Division of Purchases at the time of opening for any cause will be determined to be late and will not be considered. Proposals FAXED to the Division of Purchases WILL NOT BE CONSIDERED.

H.3 Incurred Expenses: The State of Rhode Island is not responsible for expenses incurred by the Bidder to develop and submit a Proposal. Any costs incurred from site visits for discussions or negotiations are also entirely the responsibility of the Bidder, unless otherwise specified herein.

H.4 Ownership and Syndication of Proposals: Bidders are advised that all materials submitted in response to this RFP will be considered public records, as defined in Title 38 Chapter 2 of the Rhode Island General Laws, without exception, and will be released for public inspection immediately upon request, once an award has been made.

H.5 Duration and Availability of Pricing: Proposals are considered to be irrevocable for a period of not less than one hundred and twenty (120) days following the opening date, and may not be withdrawn, except with the express written permission of the State Purchasing Agent. All pricing submitted will be considered to be firm and fixed unless otherwise indicated herein.

H.6 Supersede Agreement: If Rhode Island accepts a Bidder's proposal and enters into a contract, the selected Bidder will hereby agree to offer Rhode Island the option to terminate, with thirty (30) days notice and without penalty, all or a portion of any existing agreements between the Bidder and Rhode Island. The option to terminate with thirty (30) days notice shall be at the sole discretion of Rhode Island.

H.7 Joint Ventures: Joint ventures will be considered, with the understanding that only one Contractor will assume responsibility for all aspects of the work. The joint venture should be clearly indicated in the Bidder's proposal, and complete details of the activities, procedures, financial responsibilities, and other related items should be clearly disclosed within the proposal.

H.8 Statement of Non-Commitment: This RFP is not a commitment to contract with any party.

H.9 Statement of Non-Exclusivity: Pursuant to the State's right to issue multiple awards, no contract arising from this RFP shall have an exclusivity clause.

H.10 Termination Clause: Any contract arising from this RFP process may contain the stipulation that the contract may be terminated at the discretion of the State with sixty (60) days written notice.

H.11 Availability of Funds: This RFP process is expected to result in one or more multi-year contracts. Per Rhode Island State Law [37-2-33], contract obligations beyond the current fiscal year are subject to availability of funds. Continuation of the contract beyond the initial fiscal year will be at the discretion of the State.

H.12 Ability to Contract with Rhode Island: Any contract issued as a result of this RFP shall incorporate the provisions of this RFP, the RIVIP-generated Cover Sheet and the offer submitted by the Bidder (as negotiated). In addition, in accordance with Rhode Island General Law 37-2-13(e), the State's Purchasing Rules and Regulations, including the State's General Terms and Conditions, are "incorporated by operation of law in all state contracts" (available on RIVIP under General Information, Rules and Regulations.) Any special terms or conditions, which would prevent a Bidder from entering into a contract with the State must be identified as such and must be submitted with the proposal.

H.13 Governing Law of Any Contract Arising from this RFP: The laws of the State of Rhode Island shall govern all questions as to the execution, nature, obligation, instruction, validity and performance of this RFP and any contract arising from this process and the Rhode Island Superior Court shall have sole jurisdiction to interpret and enforce the terms of this contract and any dispute regarding the same.

H.14 Misrepresentation: In the event that a Bidder intentionally and falsely represents any information provided by that Bidder to the State, the State has the right to disqualify that Bidder's proposal. In the event it is determined that a Contractor intentionally and falsely represented any information provided to the State either during proposal, award, negotiation or contracting process, the State has the right to terminate the contract without prior notice and the Contractor shall be liable for all expenses incurred by the State for such termination or any action against the State, any of its Departments, officers, agents and/or employees by another individual resulting from the misrepresentation.

H.15 Indemnification: The successful Bidder agrees to indemnify and hold harmless and defend the State and its Departments, officers, agents and/or employees from and against, without limitation, any and all liabilities, claims, damages, penalties, forfeitures, suits, sanctions, settlements and judgments, including, without limitation, all reasonable investigative fees, costs of defense, cost of suit, and reasonable attorney's fees which the State, its Departments and/or their officers, agents and/or employees may hereinafter incur, become responsible for or pay out as a result of a settlement, judgment, order, award or otherwise arising out of death or personal injury to any person, destruction or damage to any property and/or any violation of governmental laws, regulations, orders or to the extent caused by the successful Bidder's negligence or the successful Bidder's failure to perform its obligations in accordance with the terms of the contract and/or the successful Bidder's approved proposal. The successful Bidder will provide to the State prompt written notice of such claims, information and reasonable assistance, and sole authority, at the successful Bidder's sole cost and expense to defend or settle any of the above types of claims made against the State, its Departments, their officers, agents and/or employees relating to the successful proposal or to the performance of the same.

H.16 Non-Assignment: The services to be performed by the contractor shall not be assigned, sublet or transferred except as expressly allowed by the contract, without prior written approval of the Chief Purchasing Officer or his/her designee, nor shall the contractor assign any monies due under any contract entered into with the State pursuant to these specifications, without prior written approval by the Chief Purchasing Officer or his/her designee.

H.17 Original/Alternate Response: Each vendor is limited to one (1) original response and one (1) alternate response. Each response, and each specification submitted, must be clearly marked “original” or “alternate”. Each response must include the certification cover form, bid proposal form with original bid and detailed manufacturer’s specifications, in duplicate, for all individual components of the requirement. Each specification must be marked “original” or “alternate” as applicable.

Any submission of offers not complying with the above may be rejected.

II. INSTRUCTIONS FOR RESPONDING TO THIS PROPOSAL

A. INTRODUCTION AND OVERVIEW

To be considered fully completed response to this RFP, all offers must include the following in the proposal:

- 1) **Procedural Forms**
- 2) **Technical Proposal**
- 3) **Cost Proposal**

The requirements of each of these are explained in greater detail in the following sections.

B. VENDOR ONLINE REGISTRATION

Prior to submitting a response to this RFP, Bidders must register online at the State Purchasing website at www.purchasing.ri.gov/quick.asp.

C. PROCEDURAL FORMS REQUIRED FOR PROPOSALS

The following forms are required as part of a response to this RFP:

C.1 RIVIP Generated Bidder Certification Form: A copy of this is downloadable from the Division of Purchases website (www.purchasing.ri.gov). Call 401-222-2142, ext. 134 if RIVIP technical assistance is needed. Offers received without the entire completed three-page RIVIP Generated Bidder Certification Form attached may result in disqualification.

C.2 W-9 Taxpayer ID Form: A copy of this form is downloadable from the Division of Purchases website www.purchasing.ri.gov. Bidder should call 401-222-2142, ext. 134 if RIVIP technical assistance is needed. Offers received without the entire completed W-9 form may result in disqualification.

C.3 Non-Collusion Statement: Bidders must certify that their proposals are made without collusion or fraud and that they have not offered or received any kickbacks or inducements in connection with their proposal, and that they have not conferred regarding this with any public employee having official responsibility for this procurement. A copy of the Non-Collusion Statement can be found in Section V of this RFP and should be signed and submitted with the proposal. Offers received without the entire completed Non-Collusion Statement attached may result in disqualification.

D. TECHNICAL PROPOSAL

The purpose of the Technical Proposal, at a high level, is the following:

- 1) To provide a Bidder with a set of Rhode Island service level requirements for Dump Trucks, and allow a Bidder to indicate which of these service levels the Bidder can meet, which it can exceed, and which it would require proposing an alternative for, and what that alternative would be.

- 2) To provide a Bidder with a set of critical questions or requests for information necessary for Rhode Island to assess a Bidder's competitive capability to effectively serve the State. *These questions/requests are indicated in italics to differentiate them from Rhode Island service level requirements.*

The specific service levels and questions included in the technical proposal are included in “**SECTION III: TECHNICAL PROPOSAL REQUIREMENTS**” of this RFP.

Please provide responses to all of the questions within the Technical Proposal. Responses to each component of the Technical Proposal (A.1-A.11) should be answered. Responses should clearly reference the question being addressed by indicating the specific question number and question title being answered (example “A.1 Minimum Standards” or “A.4 Delivery”).

Submission of incomplete responses may result in your proposal being considered non-responsive. Please do not deviate from the structure established by this RFP. Additional information that the Bidder believes would be useful in the evaluation process must be submitted as separate, clearly labeled attachments.

E. COST PROPOSAL

The Cost Proposal provides the framework for a Bidder to submit a pricing proposal for those products and services included in this RFP. The cost proposal provides the following:

- 1) Additional terms and conditions of any contract resulting from this RFP that may impact price (in addition to those service level requirements articulated in the Technical Proposal)
- 2) An Exhibit Grid containing 6 Wheel Dump Trucks specifications that have been established by the State of Rhode Island against which a Bidder can propose pricing
- 3) An Exhibit Grid containing 10 Wheel Dump Trucks specifications that have been established by the State of Rhode Island against which a Bidder can propose pricing
- 4) A Pricing Grid containing the immediate need for Dump Trucks by the State
- 5) A Pricing Grid for additional incentives, discounts, and rebates

Submission of incomplete responses may result in your proposal being considered non-responsive. Please do not deviate from the structure established by this RFP. Additional information that the Bidder believes would be useful in the evaluation process must be submitted as separate, clearly labeled attachments.

F. SUBMITTING COMPLETED PROPOSALS TO RHODE ISLAND

Participating Bidders should submit a completed proposal in the following format:

- Three (3) hard-copy print-outs (1 original marked “Original” and 2 copies) of the complete set of responses to this proposal, including:
 - Procedural forms with an original signature in ink,
 - Response to the Technical Proposal,
 - Response to the Cost Proposal,
 - Dump Truck Specification Documentation
- Provide proposals in sealed envelopes or cartons with the Bidder’s name, address, the RFP number, and date and time of opening on the outside of the envelope or carton.
- The original copy should have ‘Original’ designated on the sealed envelope or carton.

Proposals must be received on or before the deadline at by 3:00PM EST on February 25th, 2004:

By Courier:

RI Department of Administration
Division of Purchases, 2nd floor
One Capitol Hill
Providence, RI 02908-5855

By Mail:

R.I. Department of Administration
Division of Purchases
P.O. Box 6528
Providence, RI 02940-6528

NOTE:

- **Proposals received after the above-referenced due date and time will not be considered.**
- **Proposals misdirected to other State locations or which are otherwise not presented in the Division of Purchases by the scheduled due date and time will be determined to be late and will not be considered. The official time clock for this RFP is located in the reception area of the Division of Purchases, Second Floor, One Capitol Hill, Providence, Rhode Island.**
- **Proposals faxed to the Division of Purchases will not be considered.**

III. TECHNICAL PROPOSAL REQUIREMENTS

Below is a list of service level requirements for any contract related to purchasing Dump Trucks, as well as questions that pertain to the State of Rhode Island's criteria for selecting a vendor. Please provide responses to all of the questions below. Responses to each component of the Technical Proposal (A.1-A.11) should be answered to indicate which service levels the Bidder can meet, which it can exceed, which service level would require an alternative proposal, and what that alternative would be. Responses should clearly reference the question being addressed by indicating the specific question number and question title being answered (example "A.1 Minimum Standards" or "A.4 Delivery").

A.1 Minimum Standards: The complete Dump Trucks shall conform to all applicable federal, state, and local laws in effect at time of delivery. The specifications attached (Exhibit 1 – 6 Wheel Dump Truck Specifications and Exhibit 2 – 10 Wheel Dump Truck Specifications) shall be considered and applied as minimum requirements. Certified, proven, or demonstrated performance may exceed these specifications. *Please indicate your company's ability to provide this level of service.*

A.2 Appropriateness For Intended Use: The bidder shall certify and warrant that all major components offered are compatible with each other, and are approved for the application for all intended uses. The bidder acknowledges that the State will rely upon the expertise, skill, and judgment of the bidder in offering and furnishing suitable equipment, which will perform satisfactory for all intended uses. *Please indicate your company's ability to provide this level of service.*

A.3 Model Year/Parts and Fluids Availability Requirements: The manufacturer shall supply the latest model, except as specified. The truck including all necessary equipment and attachments shall be furnished and delivered new, complete, and ready for use. All parts not specifically mentioned, but which are necessary to make this a complete unit for all intended uses, shall be supplied and installed by the vendor, even though such work or material is not specifically outlined. All parts installation shall conform in strength, quality of material, and workmanship to the best practice known to the industry. *Please indicate your company's ability to provide this level of service.*

A.4 Delivery:

MAXIMUM: 180 DAYS FROM PURCHASE ORDER DATE

The truck shall be delivered to the Rhode Island Department of Transportation, Maintenance Division, 360 Lincoln Avenue, Warwick, Rhode Island, no later than one hundred-eighty (180) days from the date the purchase order is issued. The successful vendor, by accepting the purchase order for the truck, declares that there is mutual agreement with the Division of Maintenance that the delivery date commitment is an essential condition of the award.

The following manuals must be delivered to the DOT Maintenance Division at the same time (or prior to) the delivery of the truck:

DESCRIPTION	Quantity
Complete shop service manuals for all components and accessories	2
Parts Manuals	2
Operator's Manuals	2

Please indicate your company's ability to provide this level of service.

A.5 RFP Documentation, Requirements, Exceptions, and Specifications: The RFP price shall be a firm and complete price for the trucks specified, delivered in full compliance with all terms described.

The bidder shall submit detailed specifications, circulars, and other data necessary to describe all equipment and to demonstrate conformance with these specifications by the required date and time of the bid opening. The State of Rhode Island reserves the right request any additional information deemed necessary for proper evaluation of RFPs. If the proposed truck offered differs from the specifications, such differences shall be fully disclosed and explained in detail; bid will receive consideration only if deviations are deemed consistent with the intent of these specifications and are in the best interest of the State of Rhode Island.

Please indicate your company's ability to provide this level of service.

A.6 Inspection/Acceptance: Upon delivery and throughout training, the truck will be inspected and evaluated to determine if it meets all terms referenced the specifications provided in the Excel spreadsheets (Exhibit 1 and Exhibit 2). Any exceptions shall give cause for non-acceptance. *Please indicate your company's ability to provide this level of service.*

A.7 Training: The successful bidder shall provide the services of qualified factory technicians for a period of one full state working day to train state personnel in proper equipment operation, preventative maintenance, and review the proper usage of parts and service manuals along with VHS tape(s) for servicing and operation of the truck and its accessories i.e., the plow, sander and dump body. *Please indicate your company's ability to provide this level of service.*

A.8 Arrangements For Payment: Invoice for payment will be accepted from the successful bidder only when delivery of all items and terms referenced in these specifications are complete, including training, full inspection has occurred and written documentation of acceptance is received by the Maintenance Division Business Office from the Equipment Unit. Established procedures will then be initiated to arrange proper payment. *Please indicate your company's ability to provide this level of service.*

A.9 Customer Service: The Contractor(s) shall provide a single, local point of contact and a backup to handle questions and resolve problems that arise. At least one Customer Service Representative and one backup should be available during Contractor's operating hours. All service representatives must have on-line access to information to provide immediate response to inquiries concerning the status of orders, service call information, delivery information, back-order information, State-wide contract pricing, contracted product offerings/exclusions, billing questions or issues, contract compliance requirements, and general product information. Representatives should be available by phone, fax, or email (local or toll free number preferred). *Please indicate your company's ability to provide this level of service, and any other services you provide as a standard.*

A.10 Minority and Women’s Business Enterprises, and Disability Business Enterprises:

As a progressive, socially responsible government organization, Rhode Island has an established and on-going commitment to providing equal opportunity to minority, women and disability owned businesses (MWDOB) to contract as a Bidder for Rhode Island’s purchased goods and services. Rhode Island’s target goal is to source 10% of its purchased goods and services from MWDOB.

All MWDOB Bidders must be certified by the State Minority Office. For further information about Rhode Island’s requirements to qualify as a MWDOB, please contact the MWDOB Officer at (401) 222-6253.

Please indicate if your company is a minority owned, women owned, or disability owned business.

A.11 Other Information: *Please use this form as an opportunity to provide any additional information that you would like Rhode Island to review in evaluating your company’s proposal.*

IV. COST PROPOSAL REQUIREMENTS

A. TERMS AND CONDITIONS GOVERNING PRICING

In addition to the service level requirements indicated in Section III, the following terms and conditions should apply to all pricing provided, and will be the basis under which any pricing proposed is assumed to be valid when selecting a Bidder and generating a contract resulting from this RFP process:

A.1 Term of Pricing: Pricing for purchased Dump Trucks and maintenance agreements will remain fixed and firm for the duration of the contract.

A.2 Pricing will Reflect the DELIVERED Price: All items will be priced inclusive of any delivery charges. Size of order and/or delivery location will have no impact on pricing.

All Dump Trucks must be delivered within < 180 > working days after an order has been placed. If, on occasion, this cannot be achieved the Contractor must provide a temporary loaner to the Agency location.

A.3 Taxes: All pricing proposed will be exclusive of any taxes charged to Rhode Island. Sales to the State of Rhode Island are normally exempt from State sales tax. State sales and use tax certificates of exemption will be issued upon request. Deliveries against this contract will be free of Federal excise and transportation taxes. Contractor is subject to all Federal, State and Local taxes, as applicable.

A.4 Term of Contract: Rhode Island is looking to establish a contract with the initial term of 1 year, and with potential additional extensions. Rhode Island is willing to entertain a longer contract duration, but all unit pricing should be based upon this contract duration.

A.5 Additional Charges: No service fees or additional costs not covered in this RFP will be invoiced to the State by the Contractor during the term of this agreement

B. PRODUCT DEMAND PROFILE

The scope of this contract is to immediately supply the following types of Dump Trucks:

- 6-Wheel Dump Trucks
- 10-Wheel Dump Trucks

Rhode Island Dump Trucks are currently purchased through bids conducted throughout the year by the Rhode Island state-purchasing department. It is the State of Rhode Island's goal for the resulting contract to meet the needs of the Department of Transportation.

By consolidating purchasing and volume into a single vehicle contract, the State of Rhode Island expects to realize substantial ongoing savings.

C. INTRODUCTION TO PRICING GRIDS

This section provides detail on how a Bidder should respond to the Cost Proposal requirements of this RFP. Rhode Island has provided two pricing grids (Dump Truck RFP Grid 1 – Pricing, and Dump Truck Pricing Grid 2 – Discounts/Rebates) for use in providing all required pricing in response to this RFP.

Bidder must provide the company name in the “Bidder Name” section for each pricing grid. Information is to be entered in the shaded areas only. Do not attempt to fill or change information not located in any non-shaded areas.

D. EXHIBIT 1 – 6-WHEEL DUMP TRUCK SPECIFICATIONS

The State of Rhode Island has established specifications for 6-Wheel Dump Trucks in this RFP. These dump trucks will be multi-use heavy-duty bodies complete with plows. The State of Rhode Island does not seek a hybrid or custom-built truck but rather a manufacturer’s standard unit painted Omaha Orange. Please use these specifications as the basis for your offer in the Pricing Grid 1 – 6 Wheel Dump Truck Pricing. Bidders must return specifications with bid proposal and indicate compliance or exception to each specification.

These Dump Trucks will be used primarily for snow and ice removal from highways. The trucks will also be used for many types of road maintenance operations such as road patching and paving, sweeping operations, and litter control.

Please indicate by entering Yes or No whether you can comply with each specification line item. If you cannot, specify your proposed alternative.

E. EXHIBIT 2 – 10 WHEEL DUMP TRUCK SPECIFICATIONS

The State of Rhode Island has established specifications 10 Wheel Dump Trucks in this RFP. These dump trucks will be multi-use heavy-duty bodies complete with plows. The State of Rhode Island does not seek a hybrid or custom-built truck but rather a manufacturer’s standard unit painted Omaha Orange. Please use these specifications as the basis for your offer in the Pricing Grid 1 – 10 Wheel Dump Truck Pricing. Bidders must return specifications with bid proposal and indicate compliance or exception to each specification.

Please indicate by entering Yes or No whether you can comply with each specification line item. If you cannot, specify your proposed alternative.

F. PRICING GRID 1 – DUMP TRUCK PRICING

The pricing grid table displays the immediate demand required by Rhode Island for each type of vehicle in **Exhibit 1 – 6 Wheel Dump Truck Specifications** and **Exhibit 2 – 10 Wheel Dump Truck Specifications**. Based on the quantity and specifications provided, complete the shaded areas.

G. PRICING GRID 2 - REBATES/DISCOUNTS

The State of Rhode Island is requesting Bidders to submit the following discounts and rebates in Pricing Grid 2. All discounts and rebates are cumulative.

- 1) **Volume Discount – Total Order:** Discount based on the total spend that is associated with one purchase order. For example, if Rhode Island orders \$200,000 of Dump Trucks, regardless of the configurations and options, on one purchase order, an x% discount on the total order would be applied.
- 2) **Option Discount:** Discount based on the value of options ordered for a Dump Truck. For example, if \$2,000 of options were bought for a particular vehicle, an x% discount will be applied to the total option purchase. If \$4,000 of options were bought for a particular vehicle, a y% discount will be applied to the total option purchase.
- 3) **Volume Rebate:** Rebate based on the cumulative purchasing throughout Rhode Island over a year. For example, if \$500,000 of Dump Trucks were purchased throughout Rhode Island in the year, an x% rebate would be distributed. Rebates will be paid on a quarterly basis.
- 4) **Prompt Pay Rebate:** Payment terms for the State of Rhode Island will be net 30 days. If payment is accelerated, what additional rebates off the entire invoice will you provide? Specifically, what percent will you provide for net 20-day payments, and net 10-day payments?
- 5) **Time of Year Production Discount:** Discount based on manufacturer incentives to hit certain production cycles. For example, if the manufacturer offers x% incentive for order between January and February, the State of Rhode Island expects this incentive to be passed through to the Contract User and taken as an additional discount off the order.

TITLE: Dump Trucks

OPENING DATE: 10:00 AM EST, February 25th, 2004.

NON-COLLUSION STATEMENT

This is to certify that the undersigned Bidder(s) has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date to the Rhode Island Division of Purchasing.

It is agreed by the undersigned Bidder(s) that the signed delivery of this proposal represents the Bidder(s)'s acceptance of the terms and conditions of this request for proposal including all specifications and special provisions. Signature of the authorized representative **MUST** be of an individual who legally may enter his/her organization into a formal contract with the State of Rhode Island, Department of Administration.

COMPANY NAME _____

IS THIS COMPANY: (Please circle) CORPORATION PARTNERSHIP INDIVIDUAL

NAME OF AUTHORIZED REPRESENTATIVE _____

SIGNATURE _____ TITLE _____

COMPANY ADDRESS _____

PHONE NUMBER _____ FAX NUMBER _____

EMAIL ADDRESS _____

FEDERAL E.I. NUMBER _____ RHODE ISLAND LICENSE NUMBER _____

Please circle one of the "Yes" or "No" responses below.

COMPANY CLASSIFICATIONS: CERT. NO.	Women Business Enterprise (WBE)	Yes	No	Minority Business Enterprise (MBE)	Yes	No	Disadvantaged Business Enterprise (DBE)	Yes	No

[The above table is for information and statistical use only.]

PURCHASE ORDERS SHOULD BE SENT TO:

COMPANY NAME _____ CONTACT _____

ADDRESS _____

PHONE NUMBER _____ FAX NUMBER _____

EMAIL ADDRESS _____

THIS PAGE MUST BE SIGNED, NOTARIZED AND RETURNED FOR YOUR BID TO BE CONSIDERED

SWORN TO AND SUBSCRIBED BEFORE ME this _____ day of _____, 20 ____

Notary Public _____ My commission expires _____

City of _____ County of _____ State of _____

State of Rhode Island RFP # B03367

Dump Truck RFP

Overview

Exhibits & Pricing Grids	Content	Response Required
Exhibit 1 - 6 Wheel Dump Truck Specifications	Specifications established by the State of Rhode Island for the 6 Wheel Dump Trucks requested in this RFP. Please complete the blank shaded cells with a "yes" or "no" response, and provide justification where needed.	Yes
Exhibit 2 - 10 Wheel Dump Truck Specifications	Specifications established by the State of Rhode Island for the 10 Wheel Dump Trucks requested in this RFP. Please complete the shaded cells with a "yes" or "no" response, and provide justification where needed.	Yes
Pricing Grid 1 - Dump Truck Pricing	Complete the blank shaded cells with your proposed pricing based on the quantity provided.	Yes
Pricing Grid 2 - Dump Truck Rebates/Discounts	Complete the blank shaded cells with your proposed discounts/rebates.	Yes

**State of Rhode Island RFP# B03367
 Dump Truck RFP Exhibit 1
 6 Wheel Dump Truck Specifications**

Bidder Name:

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Submitted By:

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Below are the specifications established by the State of Rhode Island for the 6 Wheel Dump Trucks requested in this RFP. Please use these specifications as the basis for your offer in the Dump Truck Pricing page. Vendors must return specifications with bid proposal and indicate compliance or exception to each specification.

Please indicate in the Yes or No Column whether you can comply with each specification line-item. If you cannot, specify your proposed alternative in the last column.

6 Wheel Dump Trucks	Quantity: 8	
The purpose of this specification is to procure new six-wheel trucks with multi-use heavy duty dump bodies complete with plows. The DOT Maintenance Division does not seek a hybrid or custom-built truck but rather a manufacturer's standard unit painted Omaha Orange.		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
CHASSIS		
A. DIMENSIONS		
GVE rating - 46,000 lbs		
Wheelbase - 162 inches		
Cab-to-Axle - 84 inches		
B. FRAMES		
Extend a minimum of 18 inches beyond the radiator grille to accommodate front mounted hydraulic pumps and snow plow push frames. Bolted or welded front frame extensions are not acceptable.		
C. ENGINE - DIESEL		
300 HP + 1200 ft. lbs of torque		
The engine shall be equipped with the following: Air intake inside/outside with in-cab control		
Engine block heater - 1,500 watt, 120 volt		
Engine hoses and tubing, silicone		
Exhaust, under frame horizontal mounted muffler with vertical tail pipe and exhaust stack shield for body clearance and/or wing plow clearance		
Fuel water separator. Fuel filter/water separator		

6 Wheel Dump Trucks		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
C. ENGINE - DIESEL CONTINUED		
Engine protection monitoring system, Kysor engine shutdown and alarm system with automatic override, lights, and buzzer monitoring high coolant temperature, low acid pressure and low coolant level in radiator.		
Seven year engine warranty including fuel system and all related electronic engine governing components.		
Jake brake		
D. TRANSMISSION		
1. Allison HD4060P Automatic 5-speed		
E. AXLES		
1. Front axle - 18,000 lbs. capacity		
2. Rear axle - 30,000 lbs. capacity		
F. SPRINGS		
1. Front spring - 18,000 lbs. Rated		
2. Rear springs - 30,000 lbs. Multileaf		
3. Springs helper		
G. BRAKES		
1. Front Brakes - Rockwell "S" Cam type		
a. Front drums cast inboard		
b. Furnish front brake dust shields		
c. Self-adjusting brakes-Eaton/Haldex automatic slack adjusters or equivalent		
d. All Clevis pins shall be stainless steel and the "S" cam splines shall be coated with NEVER SEIZE and be the 10-spline type if available		
2. Rear Brakes - Rockwell "S" Cam type		
a. Rear drums cast inboard		
b. Furnish rear brake dust shield		
c. Self-adjusting brakes-Eaton/Haldex automatic slack adjusters or equivalent		
d. All Clevis pins shall be stainless steel and the "S" cam splines shall be coated with NEVER SEIZE and be the 10-spline type if available.		
H. TIRES		
1. Front - 385/65R22.5 18 ply		
2. Rear - 315/80R22.5 20 ply		

6 Wheel Dump Trucks		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
I. WHEELS		
1. Front - cast spoke 12.25 x 22.5		
2. Rear - cast spoke 9.0 x 22.5		
3. One (1) spare rim with tire mounted to match the front tires shall be furnished with each vehicle.		
4. Two (2) spare rims with tires mounted to match rear tires shall be furnished with each vehicle.		
J. ELECTRICAL SYSTEM: Twelve-volt negative ground electrical system consisting of the following components:		
1. Alternator shall be 145 amp capacity		
2. Four maintenance free batteries - 31-625CCA threaded stud types		
3. Trailer connections - full to rear of chassis includes: one seven wire cable with seven wire plug routed to rear of chassis and wire to DOT Specifications. A protective boot (11-761) shall also be provided.		
4. Betts sealed wiring with weather tight junction boxes. PVC pipe routed inside chassis frame rails for body wiring. All wiring shall be soldered and sealed (no Scotch lock connectors).		
5. A wiring schematic shall be supplied illustrating the wiring system.		
K. FUEL SYSTEM		
1. 100 Gallon fuel capacity.		

6 Wheel Dump Trucks		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
L. CAB		
1. Conventional Cab (welded steel galvanized shell) to include rust preventative procedures.		
2. Glass-safety tinted windshield, side, and rear windows		
3. Grab handles, stainless steel, RH & LH behind door		
4. Hood and fenders, fiberglass - tiltable with inspection hatches and frame mounted fender-splash shield section		
5. Identification/clearance lights (5)		
6. Low air pressure indicator lights and buzzer		
7. Mirrors-exterior west coast RH & LH bright finish heated with stainless steel arms and brackets.		
8. Seats: Driver Bostrom (mid-back), air suspension Rider-extended non-suspension		
9. Interior of cab shall be custom quiet to reduce engine noise and vibration.		
10. Floor area between seats shall be kept clear for installation of snowplow and spreader controls.		
11. Ventilation Cab Cowl-LH one-way type Upper-fresh air inlet for heater Roof-two way type (all vents screened)		
12. Air-conditioned.		
13. A road watch temperature sensing unit shall be provided (model RW-1).		
M. FRONT BUMPER		
1. Standard construction type bumper shall be furnished loose with each vehicle. These vehicles will have extended plow frames therefore the snowplow installer will be required to modify and attach the front bumper with any cut-offs necessary for tow hooks after the hydraulic system and push frames have been installed.		

6 Wheel Dump Trucks		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
N. PAINT		
1. Must be Omaha Orange PP G#69361 or Dupont #31 over proper primer for cab and sheet metal. No other color will be accepted by DOT. Chassis and running gear shall be black. Front and rear spokes shall be black. Wheels shall be gray.		
O. LIGHTS		
1. Safety and rear LED truck lights will be mounted on dump body according to RIDOT specifications.		
2. All of these lights are to be hooked into a sealed box, Any additional wire needed shall be BSZ14BLK polyethylene fourteen (14) gauge primary wire. This system shall be totally sealed.		
3. On the cab shield as far forward as possible, two (2) strobe lights shall be mounted six (6) inches out and eight (8) inches up from cab shield on 2 x 2 x 3/16" tubing. Four oval strobe lights (2 amber, 2 red) shall be embedded in the rear of the bump body. The lighting system shall be Betts and Whelan sealed lighting system or equal.		
4. A sanding light shall be provided.		

6 Wheel Dump Trucks		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
P. ACCESSORIES		
1. Two wheel chocks per vehicle shall be furnished and mounted for carrying.		
2. Tailgate handles safety chain.		
3. A 25-ton capacity pintle hook for towing on the rear of each vehicle and two hooks or loops on the plow frame to be furnished.		
4. Four (4) tow hooks front/rear for towing of vehicle if needed.		
5. Holders for shovels, brooms, crowbars and safety cones.		
6. Three (3) sets of keys		
7. Fire extinguisher		
8. Three (3) safety triangles		
9. Reflective tape on two (2) sides and rear of dump body per federal and state DOT specifications.		
10. No rain cap on exhaust - use 90-degree exhaust tip.		

6 Wheel Dump Trucks - Hydraulics

Specifications	(Yes or No)	If No, Specify Proposed Alternative
HYDRAULIC PUMP:		
The hydraulic pump shall be direct driven and in-line with the crank shaft through a double jointed driveline. Pump is to be of gear design and cast iron construction. Capable of 35 GPM at 2000 engine RPM.		
PTO:		
Front pump mounted power take-off.		
HOSES:		
All hydraulic hoses are to have swivel fittings on both ends for easy changing if needed.		
RESERVOIR:		
Hydraulic reservoir to have a minimum of 30 gallon capacity. Reservoir must be baffled and have a magnetic drain plug, pressurized filler breather cap, sight temperature gauge and a suction strainer with a minimum of 1½" NPTF outlet. A low oil level warning system with a dashboard mounted warning alarm or light that warns when the system has lost a minimum of five (5) gallons. Low oil warning system with an in-cab indicator.		
OPERATOR CONTROLS: Hydraulic valve to be controlled from inside cab by remote cable control. Cable shall be of stainless steel core with no less than 100 lb. rating for pushing and pulling. Cable connection to valve spool must be enclosed and sealed with protection bonnet.		

6 Wheel Dump Trucks - Hydraulics

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>The cab control levers shall be as follows:</p> <ul style="list-style-type: none"> · Hoist-single axis, front plow · All levers must be capable of being staked and tied together in desired order. · Quadco sealed and stackable in-cab control levers complete with engraved nameplates to indicate each function. · Cablecraft Model 184 stainless steel core cables with a Teflon outer casing, O-ring seals at each end. 		
<ul style="list-style-type: none"> · All necessary hydraulic lines with short runs of hose and long runs of pipe. · Hoses shall have swivel fittings at both ends. · Pipes shall be mounted in rubber grommets and steel pipe racks. · All pipe racks shall be securely fastened with bolts to chassis. · All rubber hoses shall have protective hose wrap at abrasion points 		

GROUND SPEED SANDER CONTROL SPECIFICATIONS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
HYDRAULIC VALVES:		
Central hydraulic system valving shall be of mobil design-horizontally stackable and serviced without disassembly, each section must have a built-in flow and pressure compensator to allow simultaneous operation regarding of any other system function. Valve assembly inlet incorporates low pressure unloader to allow minimum pressure drop regardless of system flow.		
Sections for plows shall be manually operated, spinner and auger sections are to be pilot operated. All valving shall be mounted in one main valve assembly, multiple valve assemblies are unacceptable.		
FILTRATION:		
A 10 micron filter must be installed in the system return line to the reservoir. The filter assembly shall have 25 PSI by-pass and an electrical element condition indicator.		

METROPOLITAN PRL1136CT POWER REVERSIBLE FULL TRIP SNOW PLOW SPECIFICATIONS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
MOLDBOARD:		
Top edge shall have a built-in full length snow deflector. It shall extend forward beyond the cutting edge a minimum of 12" and shall be 11" long and 36" high. It shall be from not less than 8 gauge HR sheet, and shall be brake formed for additional rigidity (not rolled). It shall have a box break of the same material at the top edge for additional rigidity and shall be provided with eight (8) vertical 3/8" plate ribs.		
It shall be equipped with two (2) 25 degree moldboard shoes made of abrasion resistant steel (minimum Brinell hardness of 360). The top left and right ends of the moldboard shall be cut on an angle to clear fence lines. The top corner must be at least 2" inboard of a line drawn vertical from the lower corner of the plow.		
CUTTING EDGE:		
Shall be of abrasion resistant steel, C-1085 or equal. It shall be no less than 6" x 1/2" x 132", and shall be bolted to the plow for easy replacement with 5/8" x 2 1/2" Grade 5 carriage bolts and locknuts on 12" centers.		
CUTTING EDGE REINFORCEMENT:		
Shall not be less than 5 x 3 1/2" x 3/4" steel angle with a minimum of sixteen (16) 1/2" steel plate gussets electrically welded to the framework.		

METROPOLITAN PRL1136CT POWER REVERSIBLE FULL TRIP SNOW PLOW SPECIFICATIONS		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>TRIP MECHANISM: Shall be of the enclosed canister design. The canister shall be 30¼" long and 6" in diameter. Enclosed within the canister shall be two (2) compression springs, 26" long, made from alloy spring wire. One spring shall be 5 3/8" O.D. x 3 7/8" I.D. and other spring shall be 3 3/8" O.D. x 2 1/8" I.D. The main trip rod shall be made from 1 3/8" cold rolled steel, 27¼" long with a yoke threaded to one end for attaching to the moldboard.</p>		
<p>A recoil spring shall be placed on the trip rod between the yoke and canister housing. The canister shall pivot on two (2) 1¼" journals. Two (2) trunnion plates of ½" plate shall carry the canister and in turn be bolted to the drive frame in such a manner as to be movable for cutting edge adjustment.</p>		
<p>REVERSING FRAME: Shall consist of two (2) truss members, a main drive frame angle, pivot frame and oscillating drive bar. The truss members shall be from 4" x 3" x 3/8" angle, and the main drive angle shall be from 6" x 4" x ½" angle. Two (2) additional pieces of 4" x 3" x ½" angle shall be electrically welded perpendicular to the main drive angle connecting with the truss members so to form a rigid structure.</p>		
<p>Five (5) hinge points of ½" plate shall be provided for pinning the moldboard to the drive frame, over a 124-1/4" span. Five (5) 1¼" pins shall pin the moldboard to the drive frame. An index guide cut from ½" steel plate shall be welded at the apex of the two (2) truss members. Also, two (2) diagonal angles shall be installed from the (2) truss members to each end of the main drive angle.</p>		

METROPOLITAN PRL1136CT POWER REVERSIBLE FULL TRIP SNOW PLOW SPECIFICATIONS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>TRIP MECHANISM CONTINUED: Shall consist of a main drive member of 7" x 4" x 3/8" structural tube with two full length 3/8" plate gussets on each side. Locking and unlocking is accomplished by a sliding drive member of 6" x 3" x 1/4" tube fitted inside the 7" x 4" x 3/8" structural tube retained by a 1" diameter stainless steel pin.</p>		
<p>A 9/16" diameter alloy wire extension spring is used to pull the main drive member, containing a 1 1/4" x 2" Nicroloy removable locking pin, into any one of seven (7) index positions cut into the aforementioned index guide with the above reversing frame. (0 degrees and up to 35 degrees to right or left of center).</p>		
<p>Additional locking force is applied by the pushing action of the plow. Both unlocking and reversing functions are provided by two (2) 3" bore x 16" stroke single acting hydraulic cylinders.</p>		
<p>A bearing plate from 3/4" x 8 1/2" x 31 1/2" steel plate shall be welded at the rear of the main drive member tube. Bolted to it with a 1 1/2" Grade 5 bolt shall be an oscillating drive bar from 3/4 x 6" x 30" plate.</p>		
<p>The bearing plate and the drive bar shall be cut in such a way as to allow the plow to follow the contour of the road without exceeding 20 degrees to the left or the right. The drive bar shall be equipped with two (2) drive ears made from 1 1/4" plate on 21" centers with 1 5/16" pinning holes.</p>		
<p>The "A" frame shall pin to the reversing frame with a 1 15/16" pin.</p>		

METROPOLITAN PRL1136CT POWER REVERSIBLE FULL TRIP SNOW PLOW		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
LIFTING DEVICE:		
To be a 1/2" diameter wire rope with a dead sheave weldment.		
CUSTOM TILT-OVER HITCH: Custom hitch is to be designed for trucks with stationary grill to allow for hood to tilt over plow frame without moving vertical members. Hitch shall be custom built for the truck that it is to be installed on.		
Plow lights to be fully secured with custom aluminum brackets on hood of truck. All wiring to be soldered or connected with a sealed, lubricated connector, no butt connectors. Hitch is to be constructed of 1/2" steel throughout. The vertical risers shall be minimum 4" x 3" x 1/2" angle.		
The cylinder base angle shall be 4" x 4" x 1/2" angle boxed in with a 1/2" x 4" bar. Minimum 1/2" cheek plates to extend back beyond front axle attaching to truck frame and front hitch assembly via 1/2" angles and grade 5 bolts. The hitch is to be designed to withstand extreme torque under severe applications.		
Plow lift cylinder to be 4" x 10" double acting. The pump mounting bracket shall be a minimum of 6" x 4" x 1/2" angle with 1/2" plate gussets on either side of the pump flange. Quick disconnects for power angle plow application shall be mounted on hitch. There shall be a minimum 6" x 4" x 3/4" angle with 3/4" lugs for plow. "A" frame lift assembly shall consist of 1/2" x 3" bar stock on edge with a 1/4" plate welded across the top. The "A" frame assembly shall pivot on a full width 1" bolt with a lock nut.		
Plow frame to be fully installed and operational off central hydraulic system. Entire assembly fully primed and painted black enamel. Hitch assembly shall have dual push centers. Two pin heights of 12" and 15" on 21" centers and two pin heights of 18" and 21" on 30 1/2" centers.		

SPECIFICATIONS FOR EXTRA HEAVY DUTY DUMP BODIES

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>GENERAL: The dump bodies required under these specifications shall be constructed of ASTM A570 Hi-Tensile 8 Gauge Steel. Units shall consist of a heavy duty body, hydraulic hoist, hydraulic pump, cab shield, safety accessories and all other components necessary to make up a complete operating unit.</p>		
<p>The body, hydraulic hoist and cylinder are all to be manufactured by the same company. Hoist to be class 60 NTEA rated twin arm underbody design, scissor hoist is not acceptable. Body to be Warren Model U555 series or DOT approved equal.</p>		
<p>1. Minimum Body Dimensions:</p>		
<p>1.1 Inside Length: 10'</p>		
<p>1.2 Inside Width: 7'3"</p>		
<p>1.3 Overall Width: 96"</p>		
<p>1.4 Side Height: 26"</p>		
<p>1.5 End Height: 36"</p>		
<p>1.6 Rear Post Height: 36"</p>		
<p>1.7 Capacity: 5½ - 7½ cu yard water level</p>		

SPECIFICATIONS FOR EXTRA HEAVY DUTY DUMP BODIES

Specifications	(Yes or No)	If No, Specify Proposed Alternative
2. Minimum Body Construction:		
1.1 Side steel 8 gauge ASTM A570 Hi-Tensile (one piece sidewall) integral with running board/rub rail to slope 30 degrees		
1.2 Front & tailgate steel ASTM A570 8 gauge Hi-Tensile		
1.3 Floor 3/16" one piece (no exceptions), radius 2" full length and integral with interior floor.		
1.4 Top rail: 4 x 4 x 1/8" boxed tubing		
1.5 Side braces: 3 per side 8 gauge 8" wide vertical face.		
1.6 Bottom rail: sloped dirt shedder type formed in side sheet.		
1.7 Rear corner post: 16" minimum, 8 gauge drop type full depth tied to 1/4" rear apron.		
1.8 Front corner post: 10" minimum, 8 gauge wrap around		
1.9 Understructure: stacked design with a minimum of 1375 square inches of supported floor area and a bend resistance of 1.9 section modulus, 10 cross members minimum shall support the floor, interlaced understructure is not acceptable.		
1.10 Gusset plates for sideboards to be minimum of 2 1/2" wide 10' high front and rear-flush to outside.		
1.11 Tailgate: 2 vertical end box braces and boxed top rail bracing. Sixteen panel type with two (2) full length horizontal dirt shedder braces. To be of double-acting design. Two heavy duty offset top hardware 1-1/2" top hinge to have 1 1/2" captive pins, 5/8" lower sockets, 3/4" lower hook, 3/4" hinge bar, 3/8" spreader chains and 1 1/2" lower pins. Three hinge pins to have captured heads to prevent pins from turning and elongating top hardware holes. Air operated latch.		
1.12 Front head sheet to have two (2) die formed corrugation reinforcements and a full cab shield		

SPECIFICATIONS FOR EXTRA HEAVY DUTY DUMP BODIES

Specifications	(Yes or No)	If No, Specify Proposed Alternative
2. Minimum Body Construction Continued:		
1.13 Cross members: 4" I-beam @ 7.7 #/ft. on 12" centers including bolsters at extreme front and rear.		
1.14 Longitudinals: 6" I-Beam @ 12.5 #/ft.		
1.15 Lighting: Std FMVSS lights/reflectors. Body-side lights are rubber mounted with lexan lenses and are completely waterproof. Reflectors to be of nonrusting material and fastened with nonrusting fasteners. All wiring is encased in plastic wire loom laced through steel channel within the body sub-frame.		
1.16 Backup alarm: type "C" electric, Preco model 230 or equal minimum decibel level 97 db, 12 volt.		
1.17 Body-up indicator light: as required by OSHA.		
1.18 Primer: body to be properly cleaned with hi-pressure phosphatized wash and primed with one (1) coat of industrial enamel primer. Finish coat to be Omaha Orange PPG-60361 or Dupont 31.		
1.19 Welding: continuous exterior welding required (skip welding or caulking not acceptable).		

SPECIFICATIONS FOR EXTRA HEAVY DUTY DUMP BODIES

Specifications	(Yes or No)	If No, Specify Proposed Alternative
Minimum Hoist Requirements:		
1.1 U60-823, Class 60, NTEA Type V underbody hoist, 20.6 ton capacity.		
1.2 Cylinder: to have chrome plated piston rod with replaceable packing cylinder to be double acting with maximum requirements of 2,000 PSI both sides of piston. Top cylinder pin 3" cr. Bottom pin 2-3/16" cr. Cylinder bore id to be a minimum of 8", stroke to be 23"		
1.3 Hoist sub-frame: full-length severe duty unitized construction. Construction with 1/4" Hi-Tensile formed channel long members (casting or tubing not acceptable).		
1.30 Lift arms: 2 each @ 3/4" thick each minimum		
1.31 Lift link: 2 each 2-7/8 OD x 1/2" tubing		
1.32 guides: for dump body alignment		
1.33 Lift link pins: 3-1/2" OD		
1.34 Dump angle: minimum 55 degrees		
1.35 Double acting hoist: power up – power down, 1000 PSI down side relief valve		
1.36 Body prop: (1) OSHA approved.		
1.37 Body & hoist: must be the product of one (1) manufacturer to preclude any problems of mating and warranty.		

SPECIFICATION FOR EV 100SS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
GENERAL:		
<p>This specification shall describe a 304 Grade Stainless Steel material spreader capable of hauling and spreading free flowing granular materials from a minimum width of four (4) feet to a maximum of forty (40) feet. This unit shall consist of a discharge/feed conveyor spinner disc, power drive, and all components necessary to make a complete operating unit.</p>		
<p>Bidders must submit with their bid complete specifications on the unit they propose to furnish. The manufacturing and production of this unit shall be of the best commercial practices and only materials of the finest quality are to be used. This unit shall be factory ready to accept or retrofit servo controls.</p>		

SPECIFICATION FOR EV 100SS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
BODY:		
This spreader hopper shall be constructed of 10 gauge high grade 304 stainless steel with a double crimped top edge forming a 2" section for greater rigidity. The hopper body length shall be not less than 10 feet with two feet of longitudinals overhung for supporting the spinner assembly. The hopper shall not be more than 84" outside width with the overall height not greater than 54".		
The capacity of the hopper shall be 6.9 cubic yards water level full. The body sides have not less than forty-five degree pitch to ensure free flow of material to conveyor. The body longitudinals shall be manufactured of 10 gauge 304 stainless steel.		
The channel cross sills shall be formed 10 gauge 304 stainless steel channel that ties the lower edge of the longitudinals to each side support. These cross supports shall be wide enough to allow the hopper box to be mounted on various width truck frames or slide into a dump box.		
A 4" x 6" formed stainless steel box beam will be elevated 3" above the top edge of the hopper, thus providing a longitudinal brace and hinge point for the top screens. There shall be a 2" x 2" formed stainless steel angle brace welded from the box beam to each side for additional side support.		

SPECIFICATION FOR EV 100SS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
BODY CONTINUED:		
The body and conveyor shall be electrically welded into a rugged solid unit. The screw type jack shall be self-locking. A 12" x 18" seven gauge carbon steel feed gate and ruler shall be provided at the rear of the hopper to allow for accurate discharge.		
There shall be 12 gauge 304 stainless steel formed side supports that extend the full side angle height spaced on approximately 2' centers. A heavy duty lift hook of 5/8" 304 stainless steel rod shall be provided at each corner.		
The rear endplate shall be reinforced inside and supported outside to give it maximum strength. All stainless joints are to be welded with stainless welding wire. All subassemblies to be secured with stainless steel hardware. A mounting hardware kit shall be provided to safely secure the hopper to the truck.		

SPECIFICATION FOR EV 100SS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
CONVEYOR:		
The conveyor system shall be of the bar flight type running longitudinally with the body feeding material to the feed gate opening. The overall conveyor width shall not be less than 24". To protect the chain link strands, the top edge of the longitudinals shall be formed down over the strands exposing only the drag chain bar to the material.		
The conveyor floor shall be of flat design and manufactured of replaceable 3/16" carbon steel and roll over edges. The conveyor floor shall be supported on 12 gauge 304 stainless steel cross angles spaced approximately 12" apart.		
The gearbox shall have hardened and ground bronze gears mounted on a 1½" diameter drive shaft and supported on tapered roller bearings. These gears shall be machine cut and mounted in anti-friction sealed bearings and running in oil.		
The gearbox ratio shall be 50:1. The drive and idler sprockets shall be 6 tooth drop-forged steel sprockets keyed to the 1½" diameter drive shaft and 1¼" diameter idler shaft. Both conveyor shafts shall have heavy duty, dust sealed, self-aligning ball bearings equipped with grease fittings.		
A heavy-duty idler adjustment assembly shall provide approximately 3" of adjustment for proper conveyor chain tension.		

SPECIFICATION FOR EV 100SS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
CONVEYOR CHAIN:		
The conveyor chain shall be heat-treated 2.25" pitch self-cleaning pintle-type with 7/16" pins and a tensile strength per strand of 21,000 pounds. This chain shall utilize a ¼" x 1½" x 18¾" crossbars welded on both the top and bottom to every other link making an overall width of twenty-two (22) inches. The crossbar will be positioned on approximately 4.5" centers.		
SPINNER ASSEMBLY:		
The distributor disc shall be at least 18" in diameter of 7 gauge abrasive resistant steel and have six replaceable formed 7 gauge carbon steel fins. This disc shall be mounted on a cast iron replaceable hub connected directly to the hydraulic motor. The material shall be guided from the conveyor to the distribution disc by means of an adjustable 12 gauge stainless steel material deflector.		
This deflector shall control the spread pattern from left to right by controlling where the material drops on the disc. The entire spinner assembly shall be manufactured of not less than 12 gauge stainless steel and shall be adjustable in height to accommodate either the slip-in V-box or chassis mounted V-box. There shall be four (4) spinner baffles, one front fixed, two side and one rear adjustable without need of tools.		

SPECIFICATION FOR EV 100SS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>POWER DRIVE:</p> <p>The conveyor chain shall be driven through the worm drive gear box by a low speed, high torque "orbital type" hydraulic motor. This motor shall be directly coupled to the gearbox and protected from the elements by a cast iron housing. The spinner disc shall be driven by an independent low speed high-torque "orbital type" hydraulic motor. This motor shall be directly coupled to the spinner hub thus eliminating any extra extension shaft or bearings.</p>		
<p>TOP SCREENS:</p> <p>The top screens shall be constructed of 3/8" steel rods welded to form a 2.5" square mesh which is framed by a combination of 1/4" x 1/12" flat steel and 2" angle iron with the edge supports reinforced by 1/4" x 1" flat steel bars. Top screens shall be removable and use the "Drop and Lock" type hinge. Screens utilizing hardware that may vibrate loose are unacceptable.</p>		
<p>PAINTING:</p> <p>All stainless steel metal shall be left unpainted. Carbon steel components shall be chemically cleaned and coated with a lead-free rust inhibitive primer and painted with a lead-free gray enamel.</p>		

COVER SYSTEM SPECIFICATIONS – POWER COVER – MODEL DT-1200CH (CENTRAL HYDRAULICS)		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
3/8" steel power mounts with Teflon sealed spherical bearings		
Grade 8 bolts and nuts		
The in-cab power cover control lever is in line with other control levers		
A spool sectional valve is stacked with the existing sectional valves		
A built-in check valve in the sectional valve safety locks the system in both directions.		
25/3000 psi, hydraulic hose with a #4 jic fitting		
Hydraulic cylinders have a 1¾" bore 16" stroke with a 1¼" chrome plated piston rod		
Side arm wall tubing is (2" x 1½" x 11 gauge) with steel welded ends and cylinder mounts		
3½" galvanized steel tube roll assembly		
18 oz Armor Guard Cover (wear resistant and asphalt approved)		
(UHMW) self-lubricating wedges (high density polypropylene)		
Full 100% warranty on parts and labor for two (2) years (excluding cover)		
Complete system and installation by Power Cover Mfg.		

**State of Rhode Island RFP# B03367
 Dump Truck RFP Exhibit 2
 10 Wheel Dump Truck Specifications**

Bidder Name:

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Submitted By:

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Below are the specifications established by the State of Rhode Island for the 6 Wheel Dump Trucks requested in this RFP. Please use these specifications as the basis for your offer in the Dump Truck Pricing page. Vendors must return specifications with bid proposal and indicate compliance or exception to each specification.

Please indicate in the Yes or No Column whether you can comply with each specification line-item. If you cannot, specify your proposed alternative in the last column.

10 Wheel Dump Trucks

Quantity: 4

Purpose: The purpose of these specifications are to procure new ten-wheel trucks with multi-use heavy duty bodies complete with plows and "V" box sanders. The DOT Maintenance does not seek a hybrid or custom-built truck but rather a manufacturer's standard unit painted Omaha Orange

Specifications	(Yes or No)	If No, Specify Proposed Alternative
CHASSIS		
A. DIMENSIONS		
GVE rating - 73,760		
Wheelbase - 196"		
Cab-to-Axle - 53"		
B. FRAMES		
Extend a minimum of 18 inches beyond the radiator grille to accommodate front mounted hydraulic pumps and snow plow push frames. Bolted or welded front frame extensions are not acceptable. 313.30" maximum rail length.		
Frame reinforcement special full "C" channel; heat treated alloy steel (110,000 PSI) 10.81" x 3.81" x 0.31.2" x 370.3" OAL, used with integral front frame extension. Tow hooks (2) frame mounted		

10 Wheel Dump Trucks		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
C. ENGINE - DIESEL		
350 HP at 2100 RPM (Caterpillar C-10), electronic controls		
Air intake selector valve in-cab control; inside/outside selection.		
Engine block heater 120 volt/1500 watt includes block heater socket receptacle type; mounted in left side fender extension panel.		
Engine hoses and tubing, silicone		
Exhaust system, single, horizontal muffler, vertical tailpipe, aluminized steel; includes tailpipe guard, grab handle frame mounted right side.		
Fuel/water separator with heater and coolant thermostat, standard location.		
Engine shutdown with 30 second delay, automatic, with warning light and buzzer for low engine oil pressure, high coolant temperature, low coolant level, includes automatic override.		
Engine compression brake (Jacobs 310A/312A) for Caterpillar C-10 engine with selector switch.		
P.T.O. effects, engine front less P.T.O. unit, includes adapter plate on engine, front mounted.		
D. TRANSMISSION		
Automatic (Allison HD 4560P) wide ratio five-speed automatic with PTO gear. Oil level sensor and less retarder.		
E. AXLES		
1. Front axle - I-beam type 20,000 lbs. capacity		
2. Rear tandem, single reduction, 52,000 lb. capacity with driver controlled main locking differential in rear axle and "R" wheel ends gear ratio capable of 60-65 mph.		
F. SPRINGS		
1. Front spring multi-leaf, shackle type, 20,000 lb. capacity.		
2. Rear, tandem, walking beam type 54" axle spacing, 58,000 lb. capacity with bronze center bushings.		

10 Wheel Dump Trucks		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
G. BRAKES		
1. Front air cam S-cam 16.5" x 6.0", includes 24 square inch brake chambers.		
2. Rear air cam S-cam 18.0" x 7.0" includes 30 square inch MGM spring actuated parking brake chambers.		
3. Brake system to include: · Brake chambers, spring (4) rear parking. · Dust shields front and rear. · Brake lines color coded nylon. · Slack adjusters automatic front and rear. · Inversion valve and double check valve		
4. Air brake abs (Bendix anti-lock brake system) full vehicle wheel control system (4 channel)		
H. TIRES		
1. Front (2) 425/65R22.5 unisteel G286 470 rev/mile, load range L20 ply.		
2. Rear (8) 12R24.5 unisteel G124 457 rev/mile load range G16 ply.		
I. WHEELS		
1. Front cast 22.5" 10-hole hub piloted steel disc wheel 12.25" rims includes: a) Paint identify, front wheels black (rims painted gray) b) Wheel seals front oil-lubricated wheel bearings		
2. Rear dual cast 24.5" six spoke, painted steel 8.25 DC rims include: a) Paint identify, rear wheels black (rims painted gray). b) Wheel seals, rear wheels black (rims painted gray). c) Wheel seals, rear oil lubricated, includes wheel bearings. d) One front spare rim and tire, two rear rims and tires.		

10 Wheel Dump Trucks		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
J. ELECTRICAL SYSTEM		
1. Twelve-volt negative ground electrical system consisting of the following components:		
a) Alternator shall be 145 amp capacity. b) Four maintenance free batteries 2600 CCA total c) Trailer connections - full to rear of chassis one seven wire cable with seven wire plug routed to rear of chassis to conform with the rest of the fleet. d) A completely Betts sealed wiring system with weather tight junction boxes shall be used to interconnect the lights. e) A wiring schematic shall be supplied illustrating the wiring system. f) Stop, turn, tail, and backup lights dual, rear.		
K. FUEL SYSTEM		
1. One hundred gallon total capacity steel step tanks. Fuel tanks not to extend beyond rear of cab.		
L. CAB		
1. Conventional Cab (welded steel galvanized shell) to include rust preventative procedures.		
2. Glass-safety tinted windshield, side, and rear windows		
3. Grab handles, stainless steel, right handle & left handle behind door		
4. Hood and fenders, fiberglass - tiltable with inspection hatches and frame mounted fender-splash shield section		
5. Identification/clearance lights (5)		
6. Mirrors, exterior west coast RH and LH bright finish - heated with stainless steel arms and brackets.		
7. Ventilation. a) Cab cowl - LH one way type. b) Upper - fresh air inlet for heater. c) Roof - two-way type (all vents screened)		
8. Radio - AM/FM stereo with weather band.		
9. A road surface temperature gauge shall be installed (Road Watch Model RW2).		
10. Heated wiper blades.		

10 Wheel Dump Trucks		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
M. CAB INTERIOR		
1. Interior of cab shall be custom quiet to reduce engine noise and vibration, padding on head liner, back of cab, and interior door panel.		
2. Floor area between seats shall be kept clear for installation of snowplow and spreader controls.		
3. Arm rest (2) molded plastic, gray or black, one each door.		
4. Floor covering rubber, black.		
5. Interior sheet metal painted, color based on the window ledge color of the exterior.		
6. Console, overhead molded plastic with dual storage pockets and retainer nets and CB pocket with cover, gray with black pockets.		
7. Coat hanger located in cab.		
8. Gauge cluster, English with English electronic speedometer and tachometer.		
9. Gauge package to include hour meter and oil temperature gauge.		
10. Seat driver, air-suspension, intermediate back, isolated, with two-position front cushion adjustable. Mechanical lumbar support and storage. Pocket on seat back. Includes seatbelt three-point, lap and shoulder belt types. Seat, passenger, non-suspension, low-back, vinyl, folding back with storage pocket. Includes seatbelt three-point, lap and shoulder belt type.		
11. Windshield wipers (2) electric, header mounted, single motor with intermittent switch. Blades (ANCO) snow-type 13" length.		
12. Air conditioner with integral heater and defroster, includes refrigerant hydroflouorocarbon HFC-134A		
N. FRONT BUMPER		
1. Standard construction type bumper shall be furnished loose with each vehicle. These vehicles will have extended plow frames. Therefore, the snowplow installer will be required to modify and attach the front bumper with any cut-offs necessary for tow hooks after the hydraulic system and push frames have been installed.		

10 Wheel Dump Trucks		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
O. PAINT		
1. Shall be Omaha Orange PP G#69361 or Dupont #31 over proper primer for cab and sheet metal. No other color will be accepted by DOT. Chassis and running gear shall be black. Front and rear spokes shall be black. Wheels shall be gray.		
P. LIGHTS		
1. Safety and rear LED truck lights will be mounted on dump body according to RIDOT specifications.		
2. All of these lights are to be hooked into a sealed box. Any additional wire needed shall be BSX14BLK polyethylene fourteen (14) gauge primary wire. This system shall be totally sealed.		
3. On the cab shield as far forward as possible, two (2) strobe lights shall be mounted six (6) inches out and eight (8) inches up from cab shield on 2 x 2 x 3/16" tubing. Four oval strobe lights (2 amber, 2 red) shall be embedded in the rear of the bump body. The lighting system shall be Betts and Whelan sealed lighting system or equal.		
4. A sanding light shall be provided.		
5. Wing spotlight and wing strobe light per DOT specs		
Q. ACCESSORIES		
1. Two wheel chocks per vehicle shall be furnished and mounted for carrying.		
2. Tailgate handles safety chain.		
3. A 25-ton capacity pintle hook for towing on the rear of each vehicle and two hooks or loops on the plow frame to be furnished.		
4. Four (4) tow hooks front/rear for towing of vehicle if needed.		
5. Holders for shovels, brooms, crowbars and safety cones.		
6. Three (3) sets of keys		
7. Fire extinguisher		
8. Three (3) safety triangles		
9. Reflective tape on two (2) sides and rear of dump body per federal and state DOT specifications.		
10. No rain cap on exhaust - use 90-degree exhaust tip.		

GROUND SPEED SANDER CONTROL SPECIFICATIONS		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
SM-1 SALT MIZER		NO EXCEPTIONS

POWER TILT CUSTOM TRUCK/PLOW ATTACHMENT SPECIFICATIONS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
The custom truck/plow attachment shall be manufactured by a recognized snow plow manufacturer and shall include ½" side plates reinforced and bolted as far back on the truck frame as feasible.		
The upper and lower horizontal support members shall be fabricated from not less than 6" x 3" x ¼" and 6" x 4" x 3/8" wall rectangular tubing respectively, while the vertical risers shall be from not less than 4" x 3" x ¼" wall rectangular tubing.		
The horizontal member to which the base of the lift cylinder pins shall be from a minimum of 4" x 4" x ¾" angle while the pump mounting bracket shall be from a minimum of 6" x 4" x ½" angle with ½" plate gussets on either side of the pump flange holes. The attachment shall provide a selection of four (4) push heights, two on 30 ½" hole centers and two on 21" hole centers for connection of the plow.		
The plow lift cylinder shall be double acting with a 4" bore, 10" stroke, chrome plated piston rod, adjustable chevron type packings and a wiper to clean the piston as it retracts into the cylinder. The base of the cylinder shall attach to the aforementioned horizontal member, while the cylinder rod attaches to a horizontal pivoting lift yoke weldment from ¾" plate.		
It shall be possible to lock-out plow lift action and instead hydraulically tilt the entire center portion of the plow attachment (and any applicable side wing appurtenances) forward so to accommodate a tilt hood truck chassis. This function shall utilize the same cylinder noted above.		
In addition, it shall be possible with the removal of four (4) pins to expediently detach the plow lift device (and any applicable side wing appurtenances) from the custom truck attachment for summer truck application.		

POWER TILT CUSTOM TRUCK/PLOW ATTACHMENT SPECIFICATIONS		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
HARDWARE PLATING: All nuts, bolts, and chain shall be zinc plated.		
PAINT: All snowplow components shall be shot blasted and painted with one (1) coat of primer and one (1) coat of finish paint.		
CYLINDER RODS: All snowplow hydraulic cylinder rods shall be induction hardened and chrome plate to a minimum of .04" (1 mm) thickness.		
PLOW LIGHTS: The upper horizontal member shall be fitted with a set of elevated 12 volt, hi-low beam <u>plowing lights</u> , with integral turn signal lamps, quick-disconnect harness, and a cab control.		

HEAVY DUTY TRIP EDGE WING		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>Wing: Shall have an overall length of 12 feet, a nose height of 29", and a discharge height of 38". The moldboard shall be fabricated from 8 gallon H.R.S., the top of which shall incorporate an integral channel shaped continuation of the same so to enhance rigidity. The bottom moldboard reinforcement shall be from not less than 5" x 5" x ½" structural angle. Wing shall be Viking model 144WHDT or DOT approved equal.</p>		
<p>Moldboard: shall be provided with not less than five vertical reinforcing ribs from ½" thick plate. Located between the two (2) outside vertical ribs, at the discharge end of the moldboard, shall be four (4) horizontal ribs also from ½" thick plate (two upper and two lower); all with a series of vertically punched holes so to provide a selection attachment points for the upper and lower stand-off arms.</p>		
<p>Additionally, the front nose portion of the wing shall include a selection of two (2) 1 9/16" diameter holes for attachment with a 1½" hex head bolt at the front mast hinge.</p>		
<p>The cutting edge shall be of abrasion resistant steel, C-1085 or equal. It shall not be less than ½" x 6" x 132', and shall be bolted to the plow for easy replacement with 5/8" x 2 ½" Grade 5 carriage bolts and locknuts on 12" centers. Included at the discharge end shall be a 10 degree moldboard shoe from abrasion resistant steel (minimum Brinell hardness of 360).</p>		
<p>The cutting edge reinforcement shall not be less than 4" x 4" x ¾" angle with ½" steel plate reinforcing gussets, welded along its entire length</p>		
<p>The trip mechanism shall be of the single section trip edge type. It shall consist of five 7/8" alloy wire torsion springs with sixteen (16) active coils 17 3/8" long. It shall have two (2) hinge rods made from 1½" HR steel which slide through the springs and hinge lugs to support the trip edge mechanism. Each spring shall have provision for pre-load adjustment.</p>		

HEAVY DUTY TRIP EDGE WING

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>Stand-Off Arm: The stand-off arms shall be ruggedly designed with the inner arms fabricated from 2 1/8" solid bar stock, and the outer arms fabricated from 2½" schedule 80 pipe.</p>		
<p>The upper arm shall be equipped with a swivel with grease fitting so to prevent damage to the arms when the wing is lifted to the carry position. The lower arm shall be equipped with a compression spring so to provide a shock absorber. Both arms shall be adjustable in length from 61" to 76", offering three (3) positions of adjustment.</p>		
<p>Hardware Plating: All nuts, bolts and chain shall be zinc plated.</p>		
<p>Paint: All wing components shall be shot blasted and painted with one (1) coat of primer and one (1) coat of finish paint.</p>		

SPECIFICATIONS FOR RIGHT HAND MOUNT AND POWER HYDRAULIC CONTROLS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>GENERAL: Shall consist of pump drive arrangement, pump, control valve assembly, hydraulic cylinders, oil reservoir, enclosed cabinet, front and rear support masts and all necessary hose lines and fittings for operating the equipment noted within the specifications. The power hydraulic control unit shall be located within a clear space behind the cab and in front of the dump body.</p>		
<p>The control unit shall have a component enclosure, which includes a removable access door. The bottom of the enclosure shall serve as a cross member and to add strength to the general assembly, it also shall be from not less than the same 10" structural channel as the rear support mast. Wing system shall be Viking model H607H high rise or DOT approved equal.</p>		
<p>REAR MAST ARRANGEMENT: Both the rear vertical mast and the horizontal cross member, which also serves as the enclosure floors, shall be fabricated from 10" channel at 20#/ft. The main bodies of the valve and cylinder enclosures shall be formed from 8 gauge H.R. sheet and each shall include a cover made from ¼" thick polyethylene sheet for easy removal. There shall be three (3) cylinders provided to control the wing as follows:</p>		

SPECIFICATIONS FOR RIGHT HAND MOUNT AND POWER HYDRAULIC CONTROLS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
1. REAR OF WING CYLINDER: Shall not be less than a 5" diameter x 18" stroke single acting type which shall be located within the wing cabinet.		
2. REAR SLIDE CYLINDER: Shall not be less than a 3 ½" diameter x 54" stroke double acting high-rise type, which shall be located outside of the rear mast vertical support beam.		
3. FRONT OF WING CYLINDER: Shall not be less than a 3" diameter x 33" stroke double acting type, which shall be located integrally at the front mast.		
All cylinders shall have chrome-plated piston rods, packing and a rod wiper to clean its piston rod as it retracts into the cylinder tube.		
Front and rear of the wing cylinders shall be reeved with ½" diameter fiber core (8 x 19 I.P.S.) wire rope cable (not direct coupled) over malleable iron sheaves, which include bronze bushings and turn on 1 3/8 C.D.S. sheave pins fitted with grease fittings. Reeving shall be such that it provides a minimum of 66" of front slide travel.		
OIL RESERVOIR: The hydraulic oil reservoir shall be of 40 gallon capacity, fabricated from 12 gauge phosphate coated sheet steel, equipped with a vented fill cap with integral screen and include a ½" coupling in its bottom for draining. It shall be located above the valve enclosure so to reduce the potential of pump cavitation.		
In addition, the reservoir shall be elevated above the valve enclosure in such a way that its bottom does not contact the enclosure's top so to deter corrosion. The reservoir shall also be fitted with a spin-on type 25-micron return line filter, an oil level/temperature sight gauge and two (2) internal baffles. Dash mounted low oil warning light.		

SPECIFICATIONS FOR RIGHT HAND MOUNT AND POWER HYDRAULIC CONTROLS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>VALVE BANK: Valve assembly shall be "stack type" having a minimum capacity rating of 35 GPM at pressures to 2,500 PSI. It shall have an adjustable relief on the inlet section preset at 1,500 PSI, and power beyond capability. The valve assembly shall include working sections for:</p>		
<p>The valves shall be mounted within a sheet metal enclosure fitted with a removable access door. The enclosure shall be located just above the chassis frame rails behind the cab, and shall be an integral weldment with the rear mast and the cross member.</p>		
<p>CONTROLS: All control cables shall be of the bulkhead mounting type utilizing a 3/16" diameter inner operating member traveling through a plastic liner. Cables shall be equipped with a wiper so as to minimize the entrance contaminants into the inner cable, and the ends shall be threaded to 5/16-24 UNF-2. Routing of the cable shall be done in such a way as to avoid contact with the exhaust system or the driveshaft of the chassis.</p>		
<p>The cables shall connect directly to the valve spools without the use of mechanical linkage. Quadco sealed and stackable in-cab control levers with engraved nameplates to identify each function shall be installed.</p>		
<p>PUMP: shall be of the front mounted tandem gear type, driven from the carrier engine's crankshaft P.T.O. via a Spicer 1200 series driveshaft. The pump shall utilize two gears with an output of 30 G.P.M. at 1800 P.S.I./2000 R.P.M. from both sections. Pump shall be a commercial brand pump.</p>		
<p>PUMP GEAR BOX: Shall direct couple to the aforementioned pump between the P.T.O. driveline and the pump. It shall be of a speed-reducing gear design and shall include a cab operations engagement/disengagement cable and lever. PTO to be a commercial brand PTO.</p>		

SPECIFICATIONS FOR RIGHT HAND MOUNT AND POWER HYDRAULIC CONTROLS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>HOSES: All hose ends and fittings shall be compatible with the hose on which they are used. Suction and return lines shall meet or exceed a rating of SAE 100R4. Pressure lines shall meet or exceed a rating of SAE 100R2, and shall be of double wire braid construction.</p>		
<p>All hoses shall be sized to pump & cylinder requirements and shall be routed in such a way as to avoid contact with the exhaust system or the driveshaft of the chassis. Hoses shall be wrapped with protective coil in potential wear spots and shall be securely anchored to the frame rails.</p>		
<p>FRONT MAST: shall be fabricated from an 8" I-beam of 18.4#/ft. Built into the top of the beam shall be a sheave housing which shall incorporate a 5" O.D. malleable iron sheave turning on a 1" cold drawn steel pin with grease fitting. The sheave shall be equipped with a bronze bushing. The front mast shall be bolted to, and supported by a lower cross member from not less than 7" x 4" x 3/8" wall rectangular tubing extending from the bottom of the truck attachment.</p>		
<p>HARDWARE PLATING: All nuts, bolts and chain shall be zinc plated.</p>		
<p>PAINT: All snowplow components shall be shot blasted and painted with one (1) coat of primer and one (1) coat of finish paint.</p>		
<p>CYLINDER RODS: All snowplow hydraulic cylinder rods shall be induction hardened and chrome plate to a minimum of .04" (1 mm) thickness.</p>		

FULL TRIP POWER REVERSIBLE PLOW SPECIFICATIONS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>Moldboard: Shall be 11" long, 42" high inside and shall extend at least 12" out over the cutting edge. The moldboard shall be fabricated as a one piece structure from 8 gauge hot rolled sheet. The moldboard shall be brake formed to a series of panels so to break up the snow as it rolls towards the discharge end, and incorporate a formed channel at the top for added rigidity.</p>		
<p>Eight (8) vertical one-piece reinforcing ribs of ½" plate shall be welded to the bottom cutting edge reinforcement and to the back of the moldboard. Three (3) hinge points shall be provided spanning 88" so to connect the moldboard to the pushframe assembly. Plow shall be Viking Model PRRL1142FE or DOT approved equal.</p>		
<p>Cutting Edge: Shall be of abrasion resistant steel, C-1085 or equal. It shall be not less than 8" x ½" x 132", and shall be bolted to the plow for easy replacement with 5/8" x 1½" Grade 5 carriage bolts and locknuts on 12" center.</p>		
<p>Cutting Edge Reinforcement: Shall not be less than 6" x 4" x ½" steel angle with ½" steel plate gussets electrically welded to the framework.</p>		
<p>Shoes: Replaceable wear parts shall include two (2) abrasion resistant moldboard shoes (minimum Brinell of 360) and two (2) cast chilled malleable iron curb shoes.</p>		
<p>Trip Mechanism: The trip mechanism shall consist of two (2) spring loaded adjustable trip arm assemblies. Trip limit stops are to be designed into the arms so that the top half of the moldboard will not contact the pavement in full trip position.</p>		
<p>The arm assemblies are pin connected to reinforced lugs on the moldboard and pin connected to reinforced lugs on the reversing frame. Each arm assembly is constructed with two (2) ½" thick bars and one (1) ¾" thick bar, all enclosed by one (1) compression type spring ¾" diameter x 5 3/8" O.D. x 26" long.</p>		
<p>The trip mechanism shall also serve the dual purpose of allowing adjustment of the moldboard cutting edge angle from 25 degrees from vertical to 15 degrees from vertical.</p>		

FULL TRIP POWER REVERSIBLE PLOW SPECIFICATIONS

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>Reversing Frame: The reversing frame shall be fabricated from 4" x 4" x 3/8" square tubing and 4" x 3" x 1/4" rectangular structural tubing gusseted at key stress points. Two (2) 1 1/4" and two (2) 3/4" thick connecting lugs spanning 88" shall be welded to the 4" x 4" x 3/8" member of the reversing circle. These lugs will serve as connection points to the moldboard.</p>		
<p>"A" Frame: Shall include a weldment consisting of two (2) pieces of 4" x 3" x 1/4" rectangular tubing spaced so to accommodate a sliding member from 7" x 4" x 3/8" rectangular tubing. This weldment shall have top and bottom members from 3/8" thick plate, and a rear plate not less than 1" thick x 10" wide. The rear plate shall be fitted with an oscillating bar from 3/4" plate, which incorporates 1 1/4" drive ears on 30-1/2" centers.</p>		
<p>The oscillating bar shall revolve about a 1 1/2" Grade 5 bolt so to allow the plow to follow road contour. This sliding member, as noted above, shall include a 1 15/16" diameter C.R.S. pivot pin for attachment to the Reversing Frame. It shall seat inside the "A" Frame weldment where it shall be secured in position by a 9/16" diameter wire extension spring.</p>		
<p>This spring retained sliding member shall provide moldboard locking/unlocking action when the reversing cylinders are activated.</p>		
<p>Reversing & Locking Mechanism: The hydraulic reversible push frame shall offer nine (9) plowing positions: four (4) on either side of center to a maximum of 37 degrees for discharge to the right or left. Reversing actuation shall be via two (2) 3" diameter X 18" stroke single acting cylinders.</p>		
<p>Cylinder protection shall be provided by the aforementioned spring retained sliding mechanism, which pulls a 1 1/4" Nicroloy locking pin located at the rear underside of the "A" Frame into a 3/4" thick indexed locking plate at the Reversing Frame.</p>		
<p>Locking force is provided by a combination of spring tension and forward plow movement, while unlocking force is provided by the reversing cylinders.</p>		

FULL TRIP POWER REVERSIBLE PLOW SPECIFICATIONS		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
Hardware Plating: All nuts, bolts and chain shall be zinc plated.		
Paint: All snowplow components shall be shot blasted and painted with one (1) coat of primer and one (1) coat of finish paint.		
Cylinder Rods: All snow plow hydraulic cylinder rods shall be induction hardened and chrome plated to a minimum of .04" (1mm) thickness.		
Wrap-A-Round Bumper: An additional bumper shall be supplied at each end of the moldboard (quantity 2). They shall be from a minimum of 5/8" thick steel, shall bolt at the cutting edge face and shall project outward beyond the cutting edge where they shall terminate with a 2-1/8" diameter round bar.		

HEAVY DUTY SINGLE OR MULTI-AXLE MUNICIPAL DUMP BODY AND HOIST PACKAGE

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>General: The dump body shall be a heavy-duty contractor body for use on a single or multi-axle chassis. The hoist shall be an arm type design. The complete body, hoist, and cylinder package must be supplied by a single manufacturer and be a proven standard production model. Literature must be supplied for the body and hoist being submitted for approval. A Heil DuraClass HH or approved equal are recommended.</p>		
<p>Dimensions: Body length 14 feet Body width 84 inches Body capacity 12 to 14 Cu. Yards Side height 40" Even number End Height 48" Even number</p>		
<p>Material: Sides 7 ga. High tensile Side braces 10 ga High tensile Tailgate 7 ga. High tensile Front Head 7 ga. High tensile Floor ¼" High tensile Sub-frame Structural Rear Apron ¼" High tensile</p>		

HEAVY DUTY SINGLE OR MULTI-AXLE MUNICIPAL DUMP BODY AND HOIST PACKAGE

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>Sides:</p> <p>Side panel constructed of 7-gauge high tensile steel, all exposed bends to be 1" radius.</p> <p>Top rail to be box section 4-5/8" wide X 8-3/8" tall center bend to fold back at 20 degrees at top and bottom to bend back at 35 degrees from horizontal. No seam visible to outside or bottom of top rail.</p> <p>Minimum of two, 6 1/2" wide vertical side braces at the face and flared to 11" wide at the body, 3/4" deep slanted forward. All exposed bends to be 1 1/2" radius. C/C not to exceed 35"</p>		
<p>Front corner post to be 3-7/8" deep and shaped to match side posts</p> <p>5-1/2" wide 35 degree sloped rub rails</p> <p>Minimum 16" wide full depth rear corner post</p> <p>Minimum 5 1/2" deep rear corner post to house needed lighting</p> <p>8" board pockets</p> <p>100% fully solid welded construction</p>		

HEAVY DUTY SINGLE OR MULTI-AXLE MUNICIPAL DUMP BODY AND HOIST PACKAGE

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>Tailgate: Tailgate panel constructed of a one-piece sheet of 7 ga. high tensile steel for added strength.</p> <p>All horizontal tailgate bracing, including top rail, to be dirt shedding using large radius die.</p> <p>9 panel tailgate design</p>		
<p>Minimum 1½" flame cut offset upper tailgate hinge</p> <p>Minimum 1½" upper tailgate pin</p> <p>Minimum 1¼" lower tailgate pin incorporated in lower vertical tailgate brace for added strength</p> <p>Minimum 3/8" diameter proof coil spreader chains 5/8" lower latch assembly – flame cut</p>		
<p>1¼" plate flame cut lower pin cradle</p> <p>Complete tailgate latching assembly reinforced with a ¼" backing plate for added strength</p> <p>100% fully solid welded construction</p> <p>Air operated tailgate latch</p>		
<p>Front Head: Front head panel constructed of a one-piece sheet of 7-ga. High tensile steel with no weld seams.</p>		
<p>Three bend top rail (minimum 3", 2" deep with a 7/8" return flange)</p> <p>To be a minimum 8" higher than the side height.</p> <p>2 formed in V bends.</p> <p>100% fully solid welded construction</p>		
<p>Floor:</p> <p>Constructed of two center seam welded pieces of ¼" high tensile steel</p> <p>84" inside width</p> <p>2" radius or "knee brace" floor to side bracing</p>		

HEAVY DUTY SINGLE OR MULTI-AXLE MUNICIPAL DUMP BODY AND HOIST PACKAGE

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>Sub-Frame:</p> <p>Structural</p> <p>4" @ 7.7#/ft. I-Beam cross members 6" @ 12.5#/ft. I-Beam long members</p> <p>Cross members spaced @ (12" on 11' and longer bodies)</p>		
<p>Hoist:</p> <p>Twin cylinder dual support arm hoist Maximum 8" nominal diameter cylinder with a minimum 24" stroke Chrome plated (Vickers, DPH 900-1100) piston rod Double acting</p>		
<p>Minimum 50-degree dump angle 26.4 ton, NTEA Class 90 hoist Minimum 5/16" steel hoist frame Fully gusseted front and rear hoist frame cross members Heavy-duty flame cut platform type rear hinges 100% fully solid welded construction</p>		
<p>Miscellaneous:</p> <p>Tailgate spreader chain kit. Stop/Tail/Turn light cutouts in rear corner post. In cab body up warning light. Approved body prop Back-up alarm Completely installed painted</p>		
<p>Additional Required Items:</p> <p>¾ cab protector Front and rear mud flaps Side access ladder 16" bolt on paving apron 36" aluminum tread plate tool box</p>		

SPECIFICATION FOR MATERIAL SPREADER

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>GENERAL: This specification shall describe a V-box material spreader capable of hauling and spreading free flowing granular materials from a minimum width of four (4) feet to a maximum of forty (40) feet. This unit shall consist of a steel body, discharge/feed conveyor, spinner disc. Power drive, and all components necessary to make a complete operating unit.</p>		
<p>Bidders must submit with their bid complete specifications on the unit they propose to furnish. The manufacturing and production of this unit shall be of the best commercial practices and only materials of the finest quality are to be used. This unit shall be factory ready to accept or retrofit servo controls. Sander to be Swenson model EV150SS or DOT approved equal.</p>		

SPECIFICATION FOR MATERIAL SPREADER

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>BODY: This spreader hopper shall be constructed of 10 gauge hi-grade steel with a 2" double crimped top edge forming for greater rigidity. The hopper body length shall be not less than 14 feet with 24" longitudinal overhung for supporting the spinner assembly.</p>		
<p>The hopper shall be not more than 84" outside width with the side height not greater than 68". The capacity of the hopper shall be 13.5 cubic yards water level full. The body sides shall have not less than forty-five degree slope to insure free flow of material to conveyor.</p>		
<p>The body longitudinal shall be manufactured of 7-gauge steel 304 stainless steel. The channel cross sills shall be 7 ga. 304 stainless steel that tie the lower edge of the longitudinal to each side support. These cross supports shall be wide enough to allow the hopper box to be mounted on various width truck frames or slide into a dump box.</p>		
<p>A 4" x 6" 304 stainless box beam will be elevated above the top edge of the hopper, thus providing a longitudinal brace and hinge point for the top screens. There shall be a 10 ga 304 stainless formed channel welded from the box beam to each hopper side for additional side support. The body and conveyor longitudinal shall be electrically welded into a rugged solid unit. A screw type gate jack control shall be self-locking.</p>		
<p>A 12" X 18" seven ga. 304 stainless steel feed gate and ruler shall be provided at the rear of the hopper to allow accurate discharge. There shall be f10 gauge formed 304 stainless steel side supports that extend the full side angle height spaced on approximately 2' centers. A heavy duty stainless lift hook shall be provided at each corner. The rear endplate shall be reinforced inside and supported to give it maximum strength.</p>		

SPECIFICATION FOR MATERIAL SPREADER

Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>CONVEYOR: The conveyor system shall be of the chain bar flite type running longitudinally with the body feeding material to the feed gate opening. The overall conveyor width shall be not less than 24". To protect the chain link strands a 10-ga. 304 stainless replaceable chain shield shall cover the strands exposing only the drag bar to the material.</p>		
<p>The bolt in conveyor floor shall be of flat design and manufactured of 7-ga. Stainless steel and be equipped with rollover edges. The cast iron gearbox shall have hardened and ground bronze gears mounted on a 2" diameter drive shaft and supported on tapered roller bearings.</p>		
<p>These gears shall be machine cut and mounted in anti-friction sealed bearings and running in oil. The gearbox ratio shall be 25:1. The drive and idler sprockets shall be 8 tooth drop-forged steel sprockets keyed to the 2" diameter drive shaft and 2" idler shaft.</p>		
<p>Both conveyor shafts shall have heavy duty, dust-sealed, self-aligning four bolt flange bearings equipped with grease fittings. The conveyor shall have an internal front wiper and an external rear wiper.</p>		
<p>A heavy-duty spring loaded idler adjustment assembly shall provide 3" of adjustment for proper conveyor chain tension.</p>		

SPECIFICATION FOR MATERIAL SPREADER		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>CONVEYOR CHAIN: The conveyor chain shall be heat-treated 2.25" pitch self-cleaning pintle-type with 7/16" pins and a tensile strength per strand of 21,000 pounds. The chain shall utilize a 3/8" x 1 1/2" x 18 3/4" cross bar welded on both the top and bottom to every other chain link making an overall width of 22 1/4". The crossbars will be positioned on approximately 4.5" centers.</p>		
<p>SPINNER ASSEMBLY: The distributor disc shall be 20" in diameter of urethane material and have six formed fins. This disc shall be mounted on a steel replaceable hub connected directly to the top mounted motor.</p>		
<p>The material shall be guided from the conveyor to the distribution disc by means of an adjustable 10 gauge 304 stainless steel material deflector. This deflector shall control the spread patten from left to right by controlling where the material drops on the disc.</p>		
<p>The entire spinner assembly shall be manufactured of not less than 10 gauge 304 stainless steel and shall be adjustable in height to accommodate either the slip-in V box or chasses mounted V box. There shall be four (4) external adjustable baffles.</p>		
<p>Adjustable without the use of tools. A rear diverter chute shall be provided to permit the unloading of material without running the material over the spinner. The entire spinner shall swing up to allow cleaning, unloading or storage.</p>		
<p>POWER DRIVE: The conveyor chain shall be driven through the worm drive gearbox by a low speed, high-torque "orbital type" hydraulic motor. This motor shall be directly coupled to the gearbox and protected from the elements by a cast iron housing. The worm gear drive shaft shall have provision for a servo sensor integral with the drive shaft.</p>		

SPECIFICATION FOR MATERIAL SPREADER		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>TOP SCREENS: The top screens shall be constructed of 3/8" rods welded to form a 2.5" square mesh which is 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 steel bars. The screens shall be removable and use the "drop n lock" type hinge. Screens utilizing hardware that may vibrate loose will not be acceptable.</p>		
<p>PAINTING: All stainless steel shall be left unpainted. Carbon steel components shall be chemically cleaned and coated with a lead-free rust inhibitive primer and painted with lead-free gray enamel.</p>		
<p>DUMP BODY HOLD DOWNS: Four (4) screw type steel clamping devices consisting of 5/8" high carbon steel combination screw and chain arrangement providing 32" of adjustment shall be supplied for securing spreader to the dump truck body.</p>		
<p>TAILGATE LOCKING BAR: A tailgate locking bar shall be supplied to secure the hopper to the latch mechanism of the existing dump body. This will help prevent the body from having any lateral movement.</p>		

SPECIFICATION FOR MATERIAL SPREADER		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
<p>STAINLESS STEEL SAFETY LIGHT BAR: Spreader shall be equipped with a 58" wide safety light bar constructed out of 14 gauge type 304 stainless steel.</p>		
<p>All lights shall have a protective 14-gauge stainless steel cover to prevent material overflow from damaging the lights.</p>		
<p>The following lights shall be included with the light bar:</p> <p>A center cluster consisting of 3 red lights Two (2) stop/directional lights Two (2) amber 7" diameter flasher lights Two (2) white 4" diameter adjustable spotlights mounted on base of spreader</p>		
<p>All electrical wiring behind the light bar shall be contained in 1 3/4" diameter convoluted loom and protected with rubber grommets where applicable</p>		
<p>The electrical wiring leaving the light bar shall be heavy-duty 12/7 electrical wire with a non-corrosive protective cover, which is secured to the light bar with a wire clamp. The use of metal conduit to protect the electrical wires is not acceptable.</p>		
<p>The light bar shall include a male and female plastic housing 7 prong electrical connector.</p>		

COVER SYSTEM SPECIFICATIONS		
Specifications	(Yes or No)	If No, Specify Proposed Alternative
MODEL: DT-2000 CH (CENTRAL HYDRAULICS 13-20 FT. BODIES) OR DOT APPROVED EQUAL		
½" steel power mounts with Teflon sealed spherical bearings		
Grade 8 bolts and nuts		
The in-cab power cover control lever is in line with other control levers		
A spool sectional valve is stacked with the existing sectional valves		
A built-in check valve in the sectional valve safety locks the system in both directions		
.25/3000 psi hydraulic hose with a #4 jic fitting		
Hydraulic cylinders have a 1¾" bore 16" stroke with a 1¼" chrome plated piston rod		
Side arm wall tubing: (2½" X 1½" X 11 gauge) with steel welded ends and cylinder mounts		
3½" galvanized steel tube roll assembly		
18 oz. Armor Guard Cover (wear resistant and asphalt approved) (UHMW) self-lubricating wedges (high density polypropylene)		
Full 100% warranty on parts and labor for one year (excluding cover)		
Complete system and installation by Power Cover Mfg.		

State of Rhode Island RFP# B03367

Dump Truck RFP Pricing Grid 1

Dump Truck Pricing

Bidder Name

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Submitted By

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Complete the blank shaded cells below with your proposed pricing based on the quantity provided. Please see Exhibits 1 and 2 specifications for reference on the exact specifications of each vehicle. All vehicles must exactly comply with the specifications and terms and conditions specified in these specifications. Please provide pricing below for these specifications and attach the specifications to your RFP response.

Immediate Demand

Vehicle Type	Quantity	MSRP for Vehicle (\$)	Dealer Price per Vehicle (\$)	Offered Price per Vehicle (\$)	Total Offered Price(\$)
6 WHEEL DUMP TRUCK	8				
10 WHEEL DUMP TRUCK	4				

**State of Rhode Island RFP# B03367
 Dump Truck RFP Pricing Grid 1
 Dump Truck Rebates/Discounts**

Bidder Name

Submitted By

Please complete the blank shaded cells below with your proposed discounts/rebates. The discounts and rebates are meant to provide incentives for Rhode Island to funnel volume to your company and to encourage purchasing that capitalizes on production efficiencies. All discounts and rebates are cumulative.

1. Volume Discount - Total Order

Discount based on the total spend that is associated with one purchase order. For example, if Rhode Island orders \$200,000 of Dump Trucks, regardless of the configurations and options, on one purchase order, an x% discount on the total order would be applied.

Value of Purchase Order	% Percent Discount on Total Purchase Order 6 Wheel Dump Trucks	% Percent Discount on Total Purchase Order 10 Wheel Dump Trucks
\$0-\$200,000		
Each additional increment of \$200,000 = What additional % rebate?		

2. Option Discount

Discount based on the value of options ordered for a Dump Truck. For example, if \$2,000 of options were bought for a particular vehicle, an x% discount will be applied to the total option purchase. If \$4,000 of options were bought for a particular vehicle, a y% discount will be applied to the total option purchase.

\$ Value of Option Ordered	% Percent Discount on Total Option Purchase 6 Wheel Dump Trucks	% Percent Discount on Total Purchase Order 10 Wheel Dump Trucks
\$0-\$2,000		
Each additional increment of \$2,000 = What additional % discount?		

3. Volume Rebate

Rebate based on the cumulative purchasing throughout Rhode Island over a year. For example, if \$500,000 of Dump Trucks were purchased throughout Rhode Island in the year, an x% rebate would be distributed. Rebates will be paid on a quarterly basis.

Annual Value of Rhode Island-wide Purchasing	Rebate Discount on Total Option Purchase 6 Wheel Dump Trucks	Rebate Discount on Total Purchase Order 10 Wheel Dump Trucks
\$0 - \$500,000		
Each additional increment of \$500,000 = What additional % rebate?		

4. Prompt Pay Rebate

Payment terms for Rhode Island are typically **30 days**. If payment is accelerated, what additional rebates off the total purchase order will you provide?

Payment Terms	Additional Rebate Off Total Purchase Order (%) 6 Wheel Dump Trucks	Additional Rebate Off Total Purchase Order (%) 10 Wheel Dump Trucks
Invoices Paid by 30 days		
Invoices Paid by 20 days		
Invoices Paid by 10 days		

5. Time of Year Production Discount

Discount based on manufacturer incentives to hit certain production cycles. For example, if the manufacturer offers x% incentive for orders between January and February, Rhode Island expects this incentive to be passed through to the Contractor and taken as an additional discount off the order.

Time of Year	Percent Discount on Total Purchase Order 6 Wheel Dump Trucks	Percent Discount on Total Purchase Order 10 Wheel Dump Trucks
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		