# LEGAL NOTICE - MUST RUN IN SOUTHTOWNSTAR WEDNESDAY APRIL 20, 2011

#### LEGAL NOTICE

# VILLAGE OF ORLAND PARK, ILLINOIS ADVERTISEMENT FOR BIDS

#### Two (2) TANDEM AXLE DUMP TRUCKS

The Village of Orland Park, Illinois will receive sealed bids until 11:00 A.M. on the 4th day of May 2011 at the Office of the Village Clerk, 14700 S. Ravinia Ave., Orland Park, Illinois 60462, for two (2) Tandem Axle Dump Trucks. All Bids received will be publicly opened and read aloud on said date and time at the Village Hall, 14700 Ravinia Avenue, Orland Park, Illinois, 60462, before the Village Manager or his designee.

The specifications are on file and available for inspection and copies will be available at the Office of the Village Clerk and online on the Village's website, www.orland-park.il.us.

No bid shall be withdrawn after the opening of the bid without the consent of the Village for a period of sixty (60) days after the scheduled time of opening and reading bids.

The President and Board of Trustees reserve the right to reject any and all bids or parts thereof and to waive any informalities, technicalities and irregularities in bidding and to disregard all non-conforming or conditional bids.

The successful bidder shall be required to comply with the provisions of all State of Illinois and federal laws as well as the State of Illinois Human Rights Act and the regulations of the Illinois Human Rights Commission.

By order of the President and Board of Trustees of the Village of Orland Park, Cook and Will Counties, Illinois.

PRESIDENT AND BOARD OF TRUSTEES VILLAGE OF ORLAND PARK, ILLINOIS

BY: DAVID P. MAHER VILLAGE CLERK



# VILLAGE OF ORLAND PARK, ILLINOIS

# **INVITATION TO BID**

Two (2) Tandem Axle Dump Trucks

# **ISSUED**

Wednesday, April 20, 2011

# **BID OPENING**

Wednesday, May 4, 2011 11:00 a.m.

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#### I. INSTRUCTIONS TO BIDDERS

#### **OVERVIEW**

The Village of Orland Park requests Bids for Two (2) Tandem Axle Dump Trucks, ("the Project") for the Village of Orland Park, Illinois ("Village"). See the Bid Specifications prepared by the Village of Orland Park Public Works Department for details on the Project ("Specifications").

In order to be responsive, SEALED BIDS <u>must be</u> signed and received by the Village of Orland Park in the Office of the Village Clerk, 14700 South Ravinia Avenue, Orland Park, Illinois 60462, <u>not later than</u> 11:00 a.m., local prevailing time on Wednesday, May 4, 2011. All sealed bids must be submitted to the Village Clerk's Office, located at the above stated address. All sealed bids submitted properly will be opened publicly and read aloud immediately following the stated submission time for the Project which described in detail consists of the following:

Purchase of two (2) 2011, or current model year, tandem axle dump trucks equipped with a front snow plow, central hydraulic system, dump body, V-box salt spreader and other aftermarket equipment.

Oral, telephonic, telegraphic facsimile or electronically transmitted bids shall not be considered. No oral comments will be made to any Bidder as to the meaning of the Plans and Specifications or other contract documents. Requests for comments shall be made in writing. Contact Tom Morgan by fax at (708) 403-8798 if you have any technical questions on this project. Inquiries received in writing within seven (7) or more days prior to the bid opening will be given consideration and answers will be provided in writing to all potential bidders and will be available to the public. Bidders will not be relieved of obligations due to failure to examine or receive documents, visit the site or become familiar with conditions or facts of which the Bidder should have been aware and the Village will reject all claims related thereto.

Information (other than in the form of a written Addendum issued by the Village) from any officer, agent, or employee of the Village or any other person shall not affect the risks or obligations assumed by the bidder or relieve him from fulfilling any of the conditions and obligations set forth in the bid and other contract documents. Before the bids are opened, all modification or additions to the Specifications or General Provisions, or other bid documents will be made in the form of a written Addendum issued by the Village. The Village will send copies of any such Addendum not less than four (4) calendar days before bids are opened to those persons who have received bid packages and provided sufficient contact information. In the event of conflict with the original contract documents, addenda shall govern all other contract documents to the extent specified. Subsequent addenda shall govern over prior addenda only to the extent specified.

The bidder shall be required to acknowledge receipt of the formal Addendum by signing the Addendum and including it with the bid quotation. Failure of a bidder to include a signed formal Addendum in its bid quotation shall deem its quotation non-responsive; provided, however, that the Village may waive this requirement in its best interest.

Any references in the Specifications to manufacturer's name, trade name, or catalog number (unless otherwise specified) is intended to be descriptive but not restrictive and only to indicate articles or materials that will be satisfactory. Bids on other makes will be considered, provided each bidder clearly states on the face of their bid exactly what is proposed to be furnished. Unless so stated in the bid, it shall be understood that the bidder intends to furnish the item specified and does not propose to furnish an "equal." The Village hereby reserves the right to approve as an equal, or to reject as not being an equal any article the bidder proposes to furnish which contains minor or major variations from specification requirements, but which may comply substantially therewith.

#### **BID SPECIFICATIONS FOR:**

The purchase of two (2) 2011, or current model year, tandem axle dump trucks equipped with a front snow plow, central hydraulic system, dump body, V-box salt spreader and other aftermarket equipment.

#### **SCOPE OF WORK:**

The Village of Orland Park, Illinois is requesting bids for the purchase of two (2) tandem axle dump trucks. These tandem axle dump trucks may be equipped with a front snow plow, central hydraulic system, dump body, V-box salt spreader and other aftermarket equipment. These tandem axle dump trucks and all aftermarket equipment shall be new, unused, and be of a current production model.

#### **SPECIAL CONDITIONS:**

These detailed specifications shall be construed as "minimum."

All integral parts and hardware not specifically mentioned in the scope of the specifications that are necessary to provide a complete working unit shall be furnished.

The bidder shall indicate whether the Tandem Axle Dump Trucks that are being furnished comply or do not comply with each section of the specifications as written on the Bid Specifications Comply/Exception forms in Section III. The bidder shall explain the reason for each exception taken in each section. Failure to properly complete the bid specification form may result in the disqualification of the proposed bid.

The Village will inspect the completed vehicle at the time of delivery for compliance to the accepted specifications. The vehicle will be inspected for proper workmanship, including, but not limited to: painting, welding, wiring, and general fit and finish. This inspection shall be completed before the Village accepts the vehicle.

#### **Bid Submission:**

Please provide a total bid price and delivery time (days) from the date of order of the unit on the Bidders Summary Sheet located in Section II.

Provide the cost of the Tandem Axle Dump Trucks, aftermarket equipment and the approximate time of delivery on the ADDITIONAL INFORMATION page in Section III.

#### **GENERAL PROVISIONS**

**Contract** – The purchase order, bid documents and warranties shall serve as the contract between the successful bidder and the Village.

This contract will expire upon completion, inspection, acceptance, and final payment for the work/goods/services performed. Certain provisions of the Contract shall survive the expiration or termination of the Contract.

**Payments** – Payment terms shall be pursuant to the provisions of the Local Government Prompt Payment Act (50 ILCS 505/1 *et seq.*) after receipt by the Village of Contractor's Dated Invoice for the amount being requested. Invoices should include the following information:

- Name and address of contractor
- Purchase order number
- Dates of service
- Current invoice amount

**Assignment** – Successful bidder shall not assign the work of this Project without the prior written approval of the Village.

**Compliance with Laws** – The bidder shall at all times observe and comply with all laws, ordinances and regulations of the federal, state, local and Village governments, which may in any manner affect the preparation of bids or the performance of the Contract.

Bidder hereby agrees that it will comply with all requirements of the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq., including the provision dealing with sexual harassment and that if awarded the Contract will not engage in any prohibited form of discrimination in employment as defined in that Act and will require that its subcontractors agree to the same restrictions. The contractor shall maintain, and require that its subcontractors maintain, policies of equal employment opportunity which shall prohibit discrimination against any employee or applicant for employment on the basis of race, religion, color, sex, national origin, ancestry, citizenship status, age, marital status, physical or mental disability unrelated to the individual's ability to perform the essential functions of the job, association with a person with a disability, or unfavorable discharge from military service. Contractors and all subcontractors shall comply with all requirements of the Act and of the Rules of the Illinois Department of Human Rights with regard to posting information on employees' rights under the Act. Contractors and all subcontractors shall place appropriate statements identifying their companies as equal opportunity employers in all advertisements for workers to be employed in work to be performed.

Contractor shall be required to comply with all applicable federal laws, state laws and regulations regarding minimum wages, limit on payment to minors, minimum fair wage standards for minors, payment of wage due employees, and health and safety of employees. Contractor is required to pay employees all rightful salaries, medical benefits, pension and social security benefits pursuant to applicable labor agreements and federal and state statutes and to further require withholdings and deposits therefore.

**Guarantees and Warranties** - All guarantees and warranties required shall be furnished by the bidder if awarded the Contract and shall be delivered to the Finance Department before final payment on the Contract is issued. Information describing such guarantees and warranties shall be included as part of the bid. The bidder shall also specify any guarantees or warranties which are available for purchase by the Village and shall transfer the same in writing upon completion of the work, along with a Bill of Sale as may be appropriate.

The vehicle and equipment shall be new or current production, and be properly serviced for immediate operation. By submitting a bid, bidder expressly warrants that the vehicle, materials and equipment furnished under the contract will be of good quality and new unless otherwise expressly required or permitted by the contract documents, that the work will be free from defects for one (1) year from the issuance of the final payment by the Village or the length of time guaranteed under the warranty provided by the Contractor, whichever is greater. Where there are deficiencies, Contractor agrees to correct them with reasonable promptness after receiving notice of said deficiencies from the Village.

Indemnification - The selected contractor shall indemnify and hold harmless the Village of Orland Park ("Village"), its trustees, officers, directors, agents, employees, representative and assigns, from lawsuits, actions, costs (including attorney's fees), claims or liability of any character, incurred due to the alleged negligence of the Contractor, brought because of any injuries or damages received or sustained by any person, persons or property on account of any act or omission, neglect or misconduct of said Contractor, its officers, agents and/or employees arising out of , or in performance of any of the provisions of the Contract Documents, including and claims or amounts recovered for any infringements of patent, trademark or copyright; or from any claims or amounts arising or recovered under the "Worker's Compensation Act: or any other law, ordinance, order or decree. In connection with any such claims, lawsuits, actions or liabilities, the Village, its trustees, officers, directors, agents, employees, representatives and their assigns shall have the right to defense counsel of their choice. The Contractor shall be solely liable for all costs of such defense and for all expenses, fees, judgments, settlements and all other costs arising out of such claims, lawsuits, actions or liabilities.

The Contractor shall not make any settlement or compromise of a lawsuit or claim, or fail to pursue any available avenue of appeal of any adverse judgment, without the approval of the Village and any other indemnified party. The Village or any other indemnified party, in its or their sole discretion, shall have the option of being represented by its or their own counsel. If this option is exercised, then the Contractor shall promptly reimburse the Village or other indemnified party, upon written demand, for any expenses, including but not limited to court costs, reasonable attorneys' and witnesses' fees and other expenses of litigation incurred by the Village or other indemnified party in connection therewith.

#### **BID SUBMISSION REQUIREMENTS**

Bidder must submit two (2) complete, sealed, signed and attested copies of the bid, one (1) of which shall be a complete bound copy and one (1) of which shall be a complete, identical, unbound copy of the bid, and shall have provided all requested information, and submitted all appropriate forms, certificates, affidavits and addendum acknowledgements in each copy in order to be considered responsive. Both copies shall be the forms with the original signatures.

Once submitted, no bid may be withdrawn without the Village's consent, but it may be superseded by a subsequent timely bid. Any bid received after the time and date specified for opening, or any postponement thereof, will not be considered. Bids shall be irrevocable for a period of sixty (60) calendar days after the Village opens them.

Each bidder is responsible for reading the bid documents and determining that the Specifications describe the work to be performed in sufficient detail. Failure of a bidder to do so shall not relieve the bidder of any obligation with respect to said bid. Bidders shall notify the Village of any inappropriate service, brand name, component, or equipment called for by the Village in the Specifications and shall note in its bid the adjustments made to accommodate such deficiencies in the Specifications. After bids have been opened, no bidder shall assert that there was a misunderstanding concerning the nature of the work to be done or the quantities and specifications of the material/equipment/items to be delivered, and no such claim shall relieve a bidder from its obligation to perform. All bids must be made only on the forms provided by the Village and must be made in accordance with this Invitation to Bid and Specifications, (Project manual) all of which are on file and may be obtained for examination in the Clerk's Office at the above address and are made part of this notice as though fully set forth herein.

**Bidder Summary Sheet** – Section II includes the Bidder Summary Sheet that must be completed and submitted with the bid package.

**Bid Deposit** – No bid deposit is required to be submitted with this bid.

**References** – Bidders shall provide the Village with the names and contact information of three (3) references for which they have performed similar work. The bidders grant Village permission to contact said references and ask questions regarding prior work performance. Village shall use the information gained from bidder's references to further evaluate the bidders.

**Payment and Performance Bonds** – No payment or performance bonds are required to be submitted by the successful bidder in relation to this project.

Bid Price - The submitted bid price shall include all permits, insurance, equipment, plant facilities, work and expense necessary to perform the work in accordance with the

Specifications included in this bid packet. The submitted bid price shall not include any amount for sales or use taxes, or any other tax from which the Village is exempt.

**Other -** Bidders must complete and submit all of the Tandem Axle Dump Truck Specification forms and Additional Requirements page in Section III by indicating if the equipment will comply or if there will be an exception. Bidder must also submit the make and model of the equipment that you will provide if selected. List the total cost and the delivery time after bid award on the Additional Information page in Section III.

The Specifications are not intended to describe a particular manufacturer's product. Brand names specified in the Specifications shall be deemed to include approved equals, but bidder must obtain the Village's approval of their proposed equal not less than five (5) calendar days before bids are opened, and the Village will notify all bidders accordingly.

#### **EVALUATION OF BIDS/BIDDERS**

The Village reserves the right to accept any bid, any part or parts thereof, or to reject any and all bids.

The Village reserves the right to waive minor informalities or irregularities in the bids received, to accept any bid deemed advantageous to the Village, or to reject any and all bids submitted. Conditional bids, or those which take exception to the Contract documents without prior written approval from the Village, may be considered non-responsive and may be rejected.

The Village may make such investigations as it deems necessary to determine the ability of the bidder to perform the work in conformity with the Contract documents, and the bidder shall furnish to the Village all such information and data for this purpose as the Village may request.

The Contract shall be awarded to the lowest responsive, responsible bidder. In determining the lowest responsive and responsible bid, consideration will be given to several factors, including but not limited to price, financial responsibility of the bidder, completion date, responsiveness to the specifications, and the experience of the Village and other purchasers with the bidders.

Award of the contract is subject to Village of Orland Park Board approval. The Corporate Authority of the Village may elect to enforce its Local Vendor Purchasing Policy (see Section III Local Vendor Purchasing Policy) when awarding the contract.

The Village may also conduct a pre-award facility survey of the bidder. This survey may include, but is not limited to, determining if the bidder has the experience, capability, necessary facilities and financial resources to complete the contract in a satisfactory manner within the required time.

The Village award will be made within sixty (60) calendar days after the date of the bid opening, or any mutually agreed extension thereof.

#### **BID SUBMITTAL CHECKLIST**

In order to be responsive, the bidder must submit all of the following items:

- Sealed Bid Envelope Addressed to the Village of Orland Park, Attn: Village Clerk's Office, 14700 S. Ravinia Ave., Orland Park, IL 60462, and labeled: *Tandem Axle Dump Trucks* in the lower left hand corner.
- Bid Bidder must submit two (2) complete, sealed, signed and attested copies of the bid, one (1) of which shall be a complete bound copy and one (1) of which shall be a <u>complete, identical, unbound</u> copy of the bid, and shall have provided all requested information, and submitted all appropriate forms, certificates, affidavits and addendum acknowledgements <u>in each copy</u> in order to be considered responsive. Both copies shall be the forms with the original signatures.
- All forms completed from Section II:
  - o Bidder Summary Sheet
  - Business Organization
  - Certificate of Eligibility to Enter into Public Contracts
  - Sexual Harassment Policy
  - Equal Employment Opportunity
  - Tax Certification
  - References
- All forms completed from Section III:
  - o Bid Specifications (Comply & Exception Sheets 39 pages)
  - Additional Requirements
  - Additional Information

# II - REQUIRED BID SUBMISSION DOCUMENTS

# **BIDDER SUMMARY SHEET**

# Two (2) Tandem Axle Dump Trucks Project Name

IN WITNESS WHEREOF, the parties hereto have executed this Bid as of date shown below.

Firm Name:	
Address:	
City, State, Zip Code:	
Contact Person:	
FEIN #:	
Phone: () Fax: (_	)
E-mail Address:	
Signature of Authorized Signee:	
Title:	Date:
TOTAL BID PRICE: \$	

12

(Insert Bid Price from Additional Information page)

# **BUSINESS ORGANIZATION:**

Sole Proprietor: An individual whose	signature is affixed to this proposal.
	full names, titles and address of all responsible ownership and a copy of partnership agreement.
Corporation: State of incorporation: Provide a disclosure of all officers and princincorporation and indicate if the corporation is	cipals by name and business address, date of authorized to do business in Illinois.
• • •	at the Village of Orland Park reserves the right to nate proposal, and to waive any informalities in
• • • • • • • • • • • • • • • • • • • •	sals, and subject to all conditions thereof, the lis accepted, to furnish the services as outlined.
Business Name	(Corporate Seal)
Signature	Print or type name
Title	Date

#### CERTIFICATION OF ELIGIBILITY TO ENTER INTO PUBLIC CONTRACTS

# 

Notary Public

#### SEXUAL HARASSMENT POLICY

Please be advised that pursuant to Public Act 87-1257, effective July 1, 1993, 775 ILCS 5/2-105 (A) has been amended to provide that every party to a public contract must:

"Have <u>written</u> sexual harassment policies that shall include, at a minimum, the following information: (I) the illegality of sexual harassment; (II) the definition of sexual harassment under State law; (III) a description of sexual harassment, utilizing examples; (IV) the contractor's internal complaint process including penalties; (V) the legal recourse, investigative and complaint process available through the Department ( of Human Rights) and the Commission (Human Rights Commission); (VI) directions on how to contact the Department and Commission; and (VII) protection against retaliation as provided by Section 6-101 of the Act. (Illinois Human Rights Act). (emphasis added)

Pursuant to 775 ILCS 5/1-103 (M) (2002), a "public contract" includes:

every contract to which the Star corporation is a party."	te, any of its political subdivisions or any municipal
	(Name General Description of Work Park, hereby certifies that said contractor has a written sexual compliance with 775 ILCS 5/2-105 (A) (4).
	By:Authorized Agent of Contractor
Subscribed and sworn to before me this day of	, 20
Notary Public	

#### **EQUAL EMPLOYMENT OPPORTUNITY**

**Section I**. This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, et seq.

**Section II.** In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Right Act, or the Rules and Regulations for Public Contracts of the Department of Human Rights (hereinafter referred to as the Department) the Contractor may be declared non-responsible and therefore ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this agreement may be canceled or avoided in whole or in part, and such other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

During the performance of this Agreement, the Contractor agrees:

- **A**. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin or ancestry; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
- **B.** That, if it hires additional employees in order to perform this Agreement, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
- **C.** That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, marital status, national origin or ancestry, age, or physical or mental handicap unrelated to ability, or an unfavorable discharge from military service.
- **D.** That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Contractor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations for Public Contract.
- **E.** That it will submit reports as required by the Department's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts.
- F. That it will permit access to all relevant books, records, accounts and work sites by

personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts.

**G.** That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Agreement obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

**Section III.** For the purposes of subsection G of Section II, "subcontract" means any agreement, arrangement or understanding, written or otherwise, between the Contractor and any person under which any portion of the Contractor's obligations under one or more public contracts is performed, undertaken or assumed; the term "subcontract", however, shall not include any agreement, arrangement or understanding in which the parties stand in the relationship of an employer and an employee, or between a Contractor or other organization and its customers.

BY:	 	 	
WITNESS: _	 	 	
DATE:			

**ACKNOWLEDGED AND AGREED TO:** 

# **TAX CERTIFICATION**

		, having been first duly sv	vorn depose and
e as follo	ows:		•
l,		, am the dul	y authorized
agen	nt for		_, which has
subn	mitted a bid to the Village of Orland F	Park for	
	(Name of Pro	and I hereby c oject)	ertify
that _		i	s not
	delinquent in the payment of any received Revenue, or if it is:	tax administered by the Illinoi	s Department of
	a. it is contesting its liability for the procedures established by the ap		accordance with
	b. it has entered into an agreement of all taxes due and is currently in		
	Ву:		
	Title: _		_
ore me t	and Sworn to this, 20		

# **REFERENCES**

Please type)
ORGANIZATION
ADDRESS
CITY, STATE, ZIP
PHONE NUMBER
CONTACT PERSON
DATE OF PROJECT
DRGANIZATION
ADDRESS
CITY, STATE, ZIP
PHONE NUMBER
CONTACT PERSON
DATE OF PROJECT
DRGANIZATION
ADDRESS
CITY, STATE, ZIP
PHONE NUMBER
CONTACT PERSON
DATE OF PROJECT
Bidder's Name:
Signature & Date:

III – BID SPECIFICATIONS AND ADDITIONAL INFORMATION

#### VILLAGE OF ORLAND PARK LOCAL VENDOR PURCHASING POLICY

The Village of Orland Park believes it is important to provide local vendors with opportunities to provide goods and services to the Village of Orland Park. This belief is based upon the fact that the active uses of commercial properties in the Village benefits the community through stabilization of the property tax base, the creation of local sales tax and the provision of employment opportunities for citizens of the community and surrounding region.

In an effort to promote the aforementioned benefits, the Village of Orland Park wishes to provide local vendors with preferential treatment when competing for contracts with the Village. A local vendor is defined as a business that has an actual business location within the corporate boundaries of Orland Park and is licensed by the Village. The Village will not award a contract to a local vendor when the difference between the local vendors bid and the otherwise lowest responsive and responsible bid exceeds the applicable percentage indicated below. As such, when considering contracts, the Village reserves the right to forego the lowest responsive and responsible bid in favor of a local vendor under the following circumstances:

Contract Value	Range (up to a maximum of)
\$0 - \$250,000	2.00%
\$250,000 - 1,000,000	1.50%
\$1,000,000 - 2,000,000	1.00%
Greater than \$2,000,000	Not Applicable

Under no circumstance will any contract be awarded to a local vendor when the local vendor's bid exceeds the lowest responsive and responsible bid by \$20,000 or more.

This Policy shall ONLY apply if formal notice of the aforementioned criteria is provided as part of the bid specifications. In addition, it should be noted that the Village of Orland Park shall not be obligated to forego the low bidder in favor of the local vendor under any circumstances. However, this Policy simply provides the Village with the option of doing so when applicable. Furthermore, this Policy shall not apply in any situation where any portion of the contract amount is being paid with funds other than Village monies. Specifically, this Policy shall not apply in any situation where the Village has received a grant or otherwise received a source of funds other than its own funds.

# BID SPECIFICATIONS (Comply/Exception Forms)

#### PROJECT:

The purchase of two (2) 2011, or current model year, tandem axle dump trucks equipped with a front snow plow, central hydraulic system, dump body, V-box salt spreader and other aftermarket equipment.

#### **COMPLIANCE TO SPECIFICATIONS:**

The bidder shall indicate the vehicle and equipment that is being furnished complies or does not comply with each section of the specifications as written. **The bidder shall explain the reason for each exception taken in each section.** Failure to properly complete the Bid Specifications (Comply/Exception) form may result in the disqualification of the proposal bid.

The Village will inspect the completed vehicle at the time of delivery for compliance to the accepted specifications. The vehicle will be inspected for proper workmanship, including, but not limited to, painting, welding, wiring, hose routing and general fit and finish. This inspection shall be completed before the Village accepts the vehicle.

# VILLAGE OF ORLAND PARK Bid Specifications For: Two (2) Tandem Axle Dump Trucks

#### INTENT:

It is the intent of this specification to describe two (2) 2011, or current model year, tandem axle dump trucks suitable for mounting a 12' front snow plow, dump body, V-box salt spreader. These tandem axle dump trucks shall be new, never titled, and of the current model year. These tandem axle dump trucks shall be delivered, complete, to the Village of Orland Park Public Works facility, set-up, serviced and ready for use.

MODEL		COMPLY	EXCEPTIONS / SPECIFY
axle cab and cha	O or Freightliner M2 tandem ssis, or approved equal, ont axle and conventional		
DIMENSI	ONS/GENERAL		
Wheelbase:	187"		
Cab to Tandem	121"		
BBC	106"		
Turning Radius	(specify)		
GVWR			
60,000 LBS			
ENGINE			
2010 EPA emissi	ons compliant diesel		
300 HP/860 lb-ft t	torque, minimum		
315 HP/950 lb-ft t	orque maximum		

	COMPLY	EXCEPTIONS /SPECIFY
ENGINE EQUIPMENT		
Engine mounted oil check and fill.		·
Firewall mounted Donaldson air cleaner With under-hood blend door		
160 Amp alternator		
(3) Group 31 12 volt batteries-2280 CCA total		
Frame mounted battery box		
Bendix air compressor, 13.2 minimum output, with standard governor		
Electronic engine warning and protection system		
Single right-hand horizontal after treatment system with cab mounted vertical tailpipe with turnout, under-frame routing, aluminum shield		
Kysor K22RA, or equal, air operated engine fan clutch with dash switch and indictor light		
Spin on fuel filter.		
1200 square inch copper/brass radiator, minimum, with extra cooling capacity.		
Air intake warmer		
Delco 12 volt starter		
Rust resistant plastic/metal/plastic oil pan		
TRANSMISSION		
Allison MD 3500 RDS series 6-speed close ratio automatic transmission.		
Construction special programming		

	COMPLY	EXCEPTIONS / SPECIFY
Engine, transmission, and axle magnetic drain plugs		
Dash mounted, push button, electronic shift control		
Dual transmission coolers-(1) air to oil and (1) water to oil		
Dip stick mounted on right side of transmission		
Synthetic transmission fluid		
PTO provision		
FRONT AXLE AND SUSPENSION		
Meritor MFS-20-133A front axle rated @ 20,000lbs		
Meritor 16.5 x 6 Q+ front brakes with non-asbestos linings		
Cast iron front brake drums		
Front Brake dust shields.		
Stemco front oil seals		
Gunite or Meritor automatic slack adjusters (specify)		-
Power steering (specify manufacturer)		
Power steering pump with 2-quart reservoir		
Air to oil power steering cooler		

20,000 LB flat leaf springs with bronze bushings	COMPLY	EXCEPTIONS / SPECIFY
Heavy duty front shocks		
REAR AXLE AND SUSPENSION		
Meritor RT-40-145 R – SRS rear tandem axle Rated @ 40,000 LBS		
6.83:1 axle ratio		
Cast iron rear axle carrier with heavy duty axle housing		
17N Meritor main driveline with full round yokes	S	
17N Meritor interaxle driveline with full round yokes		
Locking differentials, driver controlled, dash mounted switches		
Meritor 16.5 x 7 Q+ rear brakes with non-asbestos linings		
Cast iron rear brake drums		
Rear brake dust shields		
Stemco rear oil seals		
Haldex long stroke 2- drive axle spring parking brake chambers reindexed for asphalt use.		
Gunite or Meritor automatic rear slack adjusters (specify)	s 	
Hendrickson Haulmaax HMX-400-54 rear suspension rated @ 40,000 lbs		

	COMPLY	EXCEPTIONS / SPECIFY
54" axle spacing		
10.5" ride height		
Steel beams and rubber center bushings with bar pin adjustable end connections and fore and after control rods		
BRAKE SYSTEM EQUIPMENT		
Bendix 4-channel ABS		
Reinforced nylon, fabric braided and wire braid chassis air lines		
Standard brake system valves and combination ABS-service brake valve with 4 PSI crack pressure		
Bendix AD9-IP air dryer with heater mounted outboard on the frame		
Steel air brake reservoirs with petcock drain valves		
FRAME		
187" wheelbase		
3/8" x 3-3/16" x 10-3/4" steel "C" channel frame with bolted construction (specify dimensions)		
Grade 8 frame fasteners		
120,000 PSI yield strength		
63" rear overhang		
20" front frame extension, minimum		
Gray painted steel swept back bumper		-

FUEL TANK AND EQUIPMENT	COMPLY	EXCEPTIONS / SPECIFY
One (1) 45 gallon minimum, 50 gallon maximur capacity, rectangular aluminium fuel tank, frame mounted left side. (specify capacity)	m 	
Stainless steel fuel tank straps		
Fuel and water separator with heated bowl, indicator light and primer pump		
In-tank fuel level sender		
FRONT TIRES,HUBS AND WHEELS		
Goodyear type G296 MSA 385/65R22.5 L.R. J		
Steel front hubs		
Accuride 22.5" x 12.25" steel front wheels, 10 hole hub piloted center, 4.75" inset, 5-hand disc, painted white		
REAR DRIVE TIRES, HUBS AND WHI	EELS	
Goodyear Type G622 RSD 11R 22.5 tires L.R. H		
Steel rear hubs		
Accuride 22.5" x 8.25" steel rear wheels, 10 hole hub piloted center, 5 hand disc, painted white		
SPARE TIRES		
One (1) front Goodyear 385/65R 22.5 G296 MSA tire and Accuride rim, painted white		
One (1) rear Goodyear 11R 22.5 RSD tire and Accuride rim, painted white		

# COMPLY **EXCEPTIONS / SPECIFY CAB EXTERIOR** 106" BBC conventional cab with air cab mounts 3" front fender extensions Grab handles-Left and right sides Radiator mounted, stationary grill, bright finish \_\_\_\_\_ \_\_ Forward tilting fiberglass hood Operating wing windows Single underhood mounted air horn Single electric horn Dual stainless steel mirrors-door mounted for 96" width, heated, power adjustable Dual stainless steel convex mirrors, mounted under primary mirrors Rear window, tinted, factory installed All glass tinted, including windshield 8 liter windshield washer reservoir LED cab clearance lights **CAB INTERIOR** Standard interior trim with molded plastic door panels Gray interior color Black, heavy duty vinyl floor mat-no carpeting \_\_\_\_\_

	COMPLY	EXCEPTIONS / SPECIFY
Dome and courtesy lights		
Map pocket-left door		
Manual air conditioning, factory installed		
High output heater and defroster with shielded main fresh air inlet and standard plumbing with shut off valves		
HVAC fresh air filter		
Factory installed auxiliary windshield defroster grid		
12 volt negative ground system		
Electrical circuits protected by manual reset circuit breakers		
Cab door latches with manual door locks		
Drivers seat – Heavy duty Gray vinyl, high-back air suspension seat with adjustable lumbar support & dual arm rests	<u> </u>	
Passenger seat – Heavy duty Gray vinyl, high-back non-suspended seat		
Three (3) point adjustable seat belts with d-ring retractor-left and right sides		
Tilt-telescopic steering column		-
18" steering wheel		
Sun visors-left and right side		

COMPLY EXCEPTIONS / SPECIFY

# **INSTRUMENT PANEL AND CONTROLS**

Electronic individual round gauge package including: Air and oil pressure, engine coolant and transmission oil temperature, fuel level, voltmeter, engine hour meter, electronic tachometer and speedometer, turbo air pressur brake application pressure	re,
Warning lights and buzzers for: low oil and air pressure, low coolant level and high coolant temperature	
Air cleaner restriction gauge, dash mounted	
Non-adjustable suspended accelerator pedal	·
Non-adjustable suspended brake pedal	
Steering wheel mounted speed control with fast idle capability	t
Key operated ignition switch and integral start position, 4 positions, OFF/RUN/START/ACCESSORY	
Warning light bar display, including on board diagnostic fault code display, dash mounted in gauge cluster	
SAE J1587/1708 6 pin diagnostic interface connector located below the dash	
AM/FM/Weather band stereo radio with 2 speakers and 30" antenna mounted on the right side cowl	
3000 RPM multiplexed tachometer with hourmeter	
Single electric windshield wiper motor with delay	

COMPLY EXCEPTIONS / SPECIFY

Two (2) valve parking brake system with warning indicator		
Self-canceling turn signal switch with electronic flasher	:	
Body builder vehicle interface wiring circuit access box, with engine control, PTO control, mounted on back of cab		
Body builder wiring to include sealed connectors for stop/tail/turn lights, amber turn lights, backup, accessory power and ground mounted left side under cab		
Eight (8) additional auxiliary dash mounted switches, factory installed		 
Auxiliary wiring harness for front headlights and turn signals, factory installed		
TRAILER TOWING PACKAGE		
Factory installed towing provisions including: trailer air brake connections at rear of frame, trailer wiring and 7-way flat trailer plug socket		
Trailer brake hand control valve with tractor protection valve		
PAINT Cab color: Bright Red (specify color)		
Chassis color: Black high solids polyurethane		
Wheel color: Primer White, front and rear wheels.		
MANUALS		
All parts, wiring and service manuals shall be supplied		

# **DUMP BODY**

Specifications for a Henderson Mark E-te dump body, or approved equal, installed on a Tandem Axle Dump Truck previously described in the above specification. Bidders must submit with their proposal complete specifications on the unit they propose to furnish.

CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS
Dimensions	Overall Length: 14'		
	Inside Length: 13'		
	Height: 34"		
	Inside Width: 85"		
Sides	Sides shall have two (2) continuo welded, equally spaced, sloped horizontal side braces	ously	
	Side board pockets shall be insta front and rear with two (2) addition supports on each top rail		
	Braces shall be 10 gauge 409 stainless steel		
	Flat top rail shall be formed from gauge 409 stainless steel, continuously welded	10	
	Side sheets and front bulkhead shall be 3/16" AR400 steel		
	Front bulkhead shall be flat, NO DOGHOUSE ALLOWED		
	Rear corner posts shall be 7 gau 409 stainless steel	ige 	
	Each rear corner post shall have three (3) factory installed oval light punch-outs		
	Each side shall have a ¾" rebar walk rail welded at the factory		
CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS

	One (1) fold down ladder shall be factory install behind the left front corner post	
Tailgate	Tailgate shall be vertical and constructed of 3/16" AR400 steel	 
	Standard bracing shall be 10 gauge 409 stainless steel, continuously welded	 
	Additional bracing shall consist of three (3) continuously welded, equally spaced, sloped horizontal braces formed from 10 gauge 409 stainless steel	
	Top tailgate hardware shall consis of 1 ½" thick pork chop, 1 ½" pivot pin, and 1 ¼" pivot joint	
	Tailgate top pivot shall have grease fittings installed	 
	Latch jaws shall be flame cut 304 stainless steel	 
	Latch hardware shall be 304 stainless steel	 
	Tailgate release shall be air operated with two (2) pancake style air chambers	 
	All moving points for the tailgate latch assembly shall have grease fittings installed	 
	Two (2) lengths of 3/8" chain shall be welded to the tailgate	 
	Upper and lower banjo-type chain eyes shall be welded to the body	 

COMPLY

**DESCRIPTION** 

CATEGORY

**EXCEPTIONS** 

CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS
	Body shall have a body vibrator mount factory installed between the longsills. Mount shall be continuously welded.		
	Rear hinge shall have grease fittings		
	Hinge pin shall be double locked in place		
	Rear hinge pin shall be 303 stainless steel 2" round stock		
	Rear hinge shall be 8" x 6" x ½" formed plate steel		
	Longsills shall be an 8" I-beam		
	Floor and side radius shall be one piece. WELD IN RADIUS NOT ACCEPABLE		
	Floor shall have a 5" radius to the side wall		
Floor	Floor shall be ½ " AR400 steel continuous welded to the sides		
	Hoist shall be mounted external to the body to provide a flat front bulkhead on the dump body		
	First stage working force: 35,300 lbs. at 1800 PSI		
	3-stage cylinder with a 5" first stage bore		
Hoist	Hoist shall be Mailhot model CS-130-5-3 single acting cylinder		

Cabshield	Cabshield shall be formed from 10 gauge steel with 7 gauge ends		-	
	Cabshield shall be 22" x 78"		-	
	Two (2) oval light punch-outs shall be factory installed facing forward		-	
	Two (2) oval light punch-outs shall be factory installed facing the side		-	
	Final location of the punch-outs shall be determined at the prebuild meeting		-	
Splash Guards	One (1) polyethylene ¼ fender shall be installed in front of each front set of the rear drive tires.		-	
	Fenders shall be frame mounted		-	
	One (1) 24" x 36" anti-sail rubber mud flap shall be mounted behind each set of rear drive tires		-	
	Mud flaps shall be mounted to the underside of the dump body		-	
Asphalt Pan	One (1) removable asphalt pan she fabricated for installation under the tailgate. The pan shall be a minimum of 12" deep and span the full width of the dump body. It shall not interfere with the operation of the tailgate or limit the travel of the dump body. The Village shall	all be		

CATEGORY	DESCRIPTION	COMPLY	<b>EXCEPTIONS</b>
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	approve the final design at the pre-build meeting	 
	Pan shall be primed and painted black to match the frame	 
Paint	Body shall be sandblasted, phospl washed and primed with a two (2) part primer system	
	Phosphate wash and priming shall be done immediately after sandblasting	 
	Sandblasting and priming shall be performed at the body manufacturer's facility	 
	Body shall be painted to match cab color using the chassis manufacturer's paint code	
MAKE AND MODE		

### **CENTRAL HYDRAULIC SYSTEM**

This specification shall describe a load sensing hydraulic system capable of the proper operation of the equipment described in this specification. Bidders must submit with their proposal complete specifications on the system they propose to furnish.

CATEGORY DESCRIPTION COMPLY EXCEPTION	ATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS
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### PUMP & HOTSHIFT PTO

The hydraulic pump shall be an axial piston pressure and flow compensated load-sensing type. The pump shall have a displacement of 5.61 cubic inches per revolution at maximum stroke which will deliver 23.7 GPM @ 1000 engine RPM. The pump shall have a minimum 2" inch suction line and 1/2" control drain line plumbed directly back to the reservoir. The pumps compensator shall have rear facing adjustments. The pump shall be rated for 5800 PSI maximum and 4800 PSI continuous. The pump shall have a Din typemounting flange and a Din 5462 8-tooth shaft. The pump shall be Force America TXV92 or prior approved equal. An **OMFB series** hot shift PTO that is mounted to the transmission shall drive the pump.

## SHUT DOWN SYSTEM:

The system shall be designed so that when the float contacts close, the PTO will disengage and stop pump flow. An enunciator in the cab that is on a control panel will alert the driver that the PTO has been disengaged. The control panel will also incorporate an override switch wired to de-energize the shut down system to facilitate diagnostics and equipment storage.

CATEGORI	DESCINII HON	COMILLI	LACEI HONO
CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS

## RESERVOIR/VALVE ENCLOSURE

Hydraulic reservoir with in-tank filter shall be 35 gallon capacity and internally baffled. It shall be constructed of 10 gauge Steel and shall be mounted to allow 1" frame clearance for frame obstructions. This tank/valve enclosure shall have a lid that is

removable by one person without the aid of tools. The enclosure shall use a gasketless passive seal technology.

No rubber seals, gaskets or weather-stripping. All valve fittings, hose ends, filter, filler breather, and electrical connections are to be protected by

the enclosure cover. The use of bulkhead fittings are not acceptable. The directional controls valve shall be easily accessible from all 6 sides without the use of tools. A drain port is to be provided in the bottom of the tank. The following shall be equipped by

The following shall be equipped by The supplier in the valve/tank

enclosure

Basket type filler breather cap.
Magnetic drain plug. Two inch NPT suction with 100 mesh screen type filter.
Sight temperature gauge externally mounted. 80 gpm Intake filter with micro-glass element oil level sensor.
Above shall be FORCE America #VT-35 or approved equal.

The reservoir shall be isolated from the suction and return lines by the use of ball valves. These valves shall be properly sized per manufacturer's specifications for the pressure and flow ratings of the system.

A float type low oil/high temp sending unit shall be installed in the reservoir

CATEGORY DESCRIPTION COMPLY EXCEPTIONS

## DIRECTIONAL CONTROL VALVE

The hydraulic valve shall be modular manifold design. Each hydraulic function requires an individual manifold stacked together to form the manifold base. The hydraulic control valves shall be pulse-width modulated, proportionally controlled. Each hydraulic valve segment shall be individually mounted to the manifold base assembly and be serviceable without removing any hydraulic hoses or any other hydraulic valve segments. All segments shall have heavy duty continuous duty coils and connections shall be with Hirshman connectors. All coils shall operate at 12 VDC and require a maximum of 1400 milli-amps. Each segment shall be equipped with a manual override. Valve sections must have adjustable stroke limiter flow controls for each function. Valve segments shall be FORCE America "Add-A-Fold" or approved equal and be arranged as follows:

- 1. Hoist, double acting cylinder with down side work port relief set at 500 psi.
- 2. Plow Lift, double acting cylinder.
- 3. Plow Angle, double acting cylinder.
- 4. Conveyor and Spinner combined into one valve section with the conveyor pressure compensated at 15gpm and the spinner compensated at 5 gpm

## CONTROL CENTER GENERAL

The Control Center must be an integral center for controlling all hydraulic functions including all automated salt controls and auxiliary lighting. The Center must have changeable nomenclatures and be fully back lit with solid state LED's. The rockers shall be labeled as: plow lights, rear strobe, front warning light, rear spreader light, P.T.O.. Hyd. Override. All extra switch positions shall be 3 Position latching. The unit must be supplied with separate easy to service feed back connection, speedometer connection, valve control connection, and main power connection. Three solid state warning light options illuminated in red for low oil, body up and filter bypass must also be supplied. The center must also be supplied with color coded wiring throughout. Manuals, service literature, driver and service training must be supplied at no charge. This control center shall contain a momentary override switch to override deactivate the 12v electric shutoff valve. It must be able to provide temporary override of the valve to allow for brief use of a hydraulic function. The Control Center is to be a pedestal mounted Patrol Commander Model MA5100 or approved equal

CATEGORY	DESCRIPTION	COMPLY	<b>EXCEPTIONS</b>

# CONTROL CENTER (SPREADER CONTROLS)

The electronic spreader control shall be designed for precise, closed loop control of material application. The electronic spreader control shall have a battery back-up to protect memory functions. The unit must be protected from reverse polarity, as well as be over-voltage protected by using a five amp reset circuit breaker. All circuit boards to be conformal coated. The spreader control is to be capable of self diagnostics for system errors and correction procedures.

The control unit must have password protection to prevent unauthorized use of set up, complete operation, and calibration parameters. The control unit shall be capable of self calibration of auger/conveyor feed rates and require no additional time pieces to calibrate. Programming shall allow for blast function to be set one of three ways: momentary, timed or by distance traveled. The unit must also be capable of spreading up to three different materials and up to 10 rate settings per material. The unit must provide three operational modes: manual, open loop (ground speed only) and closed loop (ground speed with auger feedback). The unit must also provide closed loop control of on-board prewetting systems.

# CONTROL CENTER (SPREADER CONTROLS)

Two lines of text display shall inform the operator of spread rate information (US or metric), operating modes and calibration parameters. The unit must be capable of displaying logged spread run information for intermediate reference and be able to download data to a serial printer or PC computer when complete data is required. The unit will provide real time and date. The unit must provide for five, current compensated PWM out-put frequency between 40-150Hz. In addition the unit must provide rotary spinner speed adjustment, standby (pass) feature, stationary unload and auger reverse mode and a programmable jump start to provide immediate material flow at start up. The unit must be able to interface with road temperature sensors, direct liquid application systems, and Precise MRM AVL IX-302 data management equipment

A 90 day free trial of the Precise MRM AVL	
data management system shall	
be provided	

# CONTROL CENTER (VALVE CONTROLS)

The valve control for dump body shall be a fully proportional pulse width modulating joystick controller with spring return to neutral and center safety lock. The front snow plow shall have an electric joystick controller that will operate up/down and left/right.

CATEGORY	DESCRIPTION	COMPLY		EXCEPTIONS
HIGH PRESSURE FILTER	High Pressure filter 10 micron, double Inhave #16 ports. To mounted on the presente pump. Model F #HP17125VG30E of equal	ength and be ssure side of ORCE	-	
HYDRAULIC HOSES	All hydraulic hoses sized to the equipment manufacturer's spe for the proper operate equipment installed. The hydraulic suction between the reserve and the pump and the hydraulic pressure the pump and the vishall be wrapped in hylon abrasion slees abrasion between the hoses and the truck wrap or spring wrap acceptable.	ent cifications ation of all on hose oir he hose between alve bank a ve to prevent he k frame. Steel o is not ———— el hydraulic	_	
	eliminate as much of hosing as possible. Hydraulic tubes shat the back of the cab rear of frame for coand return circuits. be mounted in tube isolated, with shock mounting pads.	of the rubber all run from to the nveyor, spinner, The tubes shall clamps, rubber	_	

CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS	
CONT. HYDRAULIC				
HOSES	One hydraulic pressu	ıre		
	circuit and one return			
	shall be plumbed to t			
	of the truck for the plow reversing			
	cylinders. One hydraulic pressure			
	circuit and one return			
	•	be plumbed to the front of the		
	truck for the plow lift			
	The four circuits shal			
	at the front plow hitch disconnect fittings	i with quick		
	disconnect nittings			
MAKE AND MODEL NUMBERS				
<u> </u>				

#### **SNOW PLOW**

This specification shall describe a **HENDERSON SNOWFOE** Expressway series reversible snow plow or approved equal, installed on a Tandem Axle Dump Truck previously described in the above specification. This unit shall also consist of dual discharge moldboard and twin hydraulic reversing cylinders. Bidders must submit with their proposal complete specifications on the unit they propose to furnish.

	COMPLY	<b>EXCEPTIONS</b>
MINIMUM MOLDBOARD REQUIREMENTS:		
Height of moldboard shall be 40" at center of moldboard		
Height of moldboard shall be 56" at discharge ends		
Length of moldboard shall be 12'		
Weight shall not exceed 2,240 lbs.		
10 gauge rolled moldboard with $\frac{1}{2}$ one-piece flame cut ribs and integral shield		
Eight (8) ½" x 3-1/2"rolled ribs for extra strength and rigidity		
All welds shall be continuously welded		
Henderson Hitch with "Level lift" design		
3-1/2" x 2-1/2" x 3/8" top angle with holes to allow moisture to escape		
Attack angle shall be adjustable to 5°, 10°, and 20°		
5/8" x 8" one piece cutting edge with AASHO punching		
One (1) additional carbide cutting edge, installed between the standard steel cutting edge and the trip edge shall be supplied.		
4" x 4" x ¾" cutting edge trip backer angle		
2" OD schedule 80 pipe pivot connected to a 3" x 4" x ½" bottom rib reinforcement angle		
Trip pivot shall be located 10" above the pavement		

	COMPLY	<b>EXCEPTIONS</b>
TRIP ASSEMBLY: Shall be attached to the moldboard and shall consist of		
onali be attached to the molaboard and shall consist of		
five (5) 3/4" square torsion springs		
Trip springs shall be capable of being installed by "zero" insertion force		
Trip springs shall have a 3 position trip tension adjustment Adjustment wrench shall be included		
The tripping mechanism shall hold the cutting edge rigid for plowing but will allow the cutting edge to trip automatically upon contact with any solid object and return the cutting edge automatically to the original plowing position when released.		
In the tripped position, the entire cutting edge assembly shall be rotated to the rear a sufficient amount so the cutting edge face shall present acute angle forward to the road surface and thus tend to slide easily up and over an obstruction.		
The extent of this rotation shall be controlled by means of mechanical stops to prevent over-stressing of the trip springs. The trip mechanism shall be of the one-piece blade design.		
PUSH FRAME: Push frame width shall be 96".		
Semi-circle is 3-1/2" x 3-1/2" x ½" angle shall be welded to 4" x 4" x 3/8" structural tube.		
Six (6) moldboard-to-push frame pivot points with 1-1/4" bushings pin to two 5/8" mounting ears for a total bearing surface of 2-1/2".		
Twin 3" x 10" x 1-1/2" hydraulic cylinders shall be double-acting.		

# Twin reversing cylinders shall be located *above* the push frame for protection against road debris. Plow-mounted cushion valve Hitch to be a Baker Flink Quick Link-type All components shall be continuous welded **MISCELLENOUS:** Snow plow to be equipped with two (2) plow markers. Markers to be constructed of high density polyethylene. A rubber snow deflector shall be installed on the leading edge of the mold board Curb shoes shall be installed on the left and right sides of the cutting edge **PAINT:** All metal surfaces are to be cleaned to remove slag, splatter, oxide, and oil residue. Push frame, plow hitch and all exposed metal surfaces shall be primed and painted black. Moldboard shall be cleaned, primed and painted Highway Orange. Paint shall be single stage enamel MAKE AND MODEL

**COMPLY EXCEPTIONS** 

#### **SNOW PLOW HITCH**

This specification shall describe a **HENDERSON SNOWFOE** series **QUICK (low profile)** snow plow hitch or approved equal, installed on a Tandem Axle Dump Truck previously described in the above specification. This unit shall also consist of truck and plow portions, cylinder, and have continuous seam welding. Bidders must submit with their proposal complete specifications on the unit.

	COMPLY	EXCEPTIONS
Hitch frame height of 33 5/8".		
Hitch frame width 29" for 33½" centers.		
The snow plow coupling device must be of the quick attach and release design equal to the Baker Flink PF9-QL2 hitch		
Hitch frame members are ½" x 4" x 4" structural angle. The hitch is low profile for access to the truck's engine compartment.		
The lift arm and lift frame shall be designed to accept a 4" double action lift cylinder with nitrided cylinder tube. Cylinders pins are to be 1" cold rolled steel.		
Self-storing lift arm, accomplished by pulling one 1" pin and folding the cylinder up, allows you to repin to store.		
The telescopic lift arm shall be manufactured of 4" x 4" x $\frac{3}{8}$ square outer tubing and 3" x 3" x $\frac{3}{8}$ " square inner tubing. The lifting plate shall be $\frac{3}{8}$ " x 4" flat material and have two banjo-type chain eyes able to accept $\frac{1}{2}$ " chain as well as the weight of the plow.		
The hitch shall be attached to truck frame with a formed ½" plate to cover the entire front of truck frame. Angle iron welded together at the front frame is unacceptable.		
The side plates shall be ½" plate with formed 2" lower flange and ½" x 2" support brace running down inside of plate. The ½" side plates shall be bolted to angle Z brackets at or around the center of the front axle. Side plates without the formed lower 2" flanges are unacceptable.		

### "V"-BOX SALT SPREADER

Specifications for a Henderson FSH II Dual Auger 201 stainless steel salt spreader, or approved equal, installed on a Tandem Axle Dump Truck previously described in the above specification. Bidders must submit with their proposal complete specifications on the unit they propose to furnish.

CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS
Minimum Body Re	equirements		
Dimensions	Capacity – 10.7 cu. yd		
	Length – 13'		
	Top Width – 84"		
	Side Height – 62"		
Body Slope	Sides – 45 degrees		
	Front – 18 degrees		
	Rear – 9 degrees		
Construction	Sides, ends, side supports 10 gauge 201 stainless steel		
	Dual auger trough, 7 gauge 201 stainless steel		
	Long sills, 7 gauge 201 stainless steel, continuous welded to side sheet		
	Cross sills, 7 gauge 201 stainless steel, continuous welded to side supports		
	Feed gate, 10 gauge 201 stainles steel, auger opening screwjack adjustable from curb side	s 	
	Lift hooks welded on each corner, 1/4" x 2" formed 201 stainless steel plate		

CATEGORY	DESCRIPTION	COMPLY	E	EXCEPTIONS
Construction cont'd	Top hopper edge, 7/8" x 2" formed 201 stainless steel "J" channel	d 	_	
	All seams continuously welded		<del>-</del>	
	All hardware to be stainless steel		_	
Top Grate Screens	3/8" welded rod mesh		_	
	Anti-seize type hinges		_	
	5" I-beam center support		_	
Interlock	Hydraulic auger shut-down system, factory installed		_	
	Activated when grate screens are opened		_	
Auger Cover	Inverted "V" type 201 stainless steel auger cover, adjustable, bolted in		_	
MINIMUM AUGER	REQUIREMENTS:			
Augers	Two (2) 7 "diameter, variable pitch counter rotating augers	n, 	. <u>-</u>	
Auger Drive	Two (2) 24.7 CIR hydraulic motors directly coupled to each auger shaft, rear mounted		. <u>-</u>	
	Steel tubing motor guards		_	
Auger Shafts	2" 2 bolt flange bearing installed on each auger shaft front connection			
	Polyurethane bushings installed on both ends of each auger		<u> </u>	
	Manual movement is accomplished by 4 paddles attached to the rear of the augers	ed	_	

CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS
MINIMUM SPINNE	R CHUTE REQUIREMENTS:		
Construction	10 gauge 201 stainless steel enclosed spinner chute		
Chute Adjustment	Four (4) position adjustable chute 29" to 38" adjustment range	,	
Spread Pattern Baffles	Two (2) spread pattern baffles, 5 position adjustment, located at the bottom of the spinner chute, adjustable for spread pattern adjustment		
Spinner Deflectors	Four (4) spinner deflectors, fixed front deflector, four (4) position rod and pin adjustment, adjustable and removable with out tools	e 	
Spinner Disc	20" polyurethane disc		
	Replaceable hub		
	Hydraulic motor top mounted to top of spinner disc		
	Spinner motor shall be accessible from the spinner chute	; 	
Bypass Chute	By passes the spinner for quicker stationary unloading		
	Adjustable without tools		
MISCELLANOUS:			
Prep and Paint	All surfaces shall be high-pressure cleaned with a phosphate solution	e 	
	Non-stainless steel parts shall be cleaned, primed and painted aluminum		

CATEGORY	DESCRIPTION	COMPLY	<b>EXCEPTIONS</b>
Stainless Steel Finish	All stainless steel panels shall have a 2B finish		
Hold Downs	Spreader shall be held in place with four (4) 3" cargo tie down straps and a tailgate latch bar		
	Positioning of the straps shall be finalized at the pre-build meeting		
	2" x 8" hardwood shall be used to position the spreader off of the dump body floor		
	Spreader shall be delivered with the truck, secured in the dump body, ready for use		
Grease Tube Extensions	Grease tube extensions mounted on rear of hopper for greasing inaccessible grease fittings		

MAKE		MODEL	
	711 <b>2</b> 11		

#### PRE-WETTING LIQUID SPRAY SYSTEM

Specifications for a Pre-wet Liquid Spray System comprised of a hydraulically driven pump plumbed in series with the spreader conveyor drive motor, two (2) 75 gallon polyethylene reservoirs, variable displacement orifices for dispensing liquid and all plumbing and mounting hardware. This system shall be installed on a Tandem Axle Dump Truck previously described in the above specification. Bidders must submit with their proposal complete specifications on the unit they propose to furnish.

CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS
Drive System	Components mounted in a seale corrosion resistant housing	ed,	
	Housing is molded fiberglass wit a hinged cover	h 	
	1.21 CIR hydraulic drive motor		
	4.1 GPM @1725 RPM gear-type liquid pump, corrosion resistant, with carbon graphite bearings		
	Stainless steel tubing, corrosion resistant JIC fittings		
	Adjustable flow control valve mounted on the hydraulic drive motor for liquid output control		
Controls	Pre-wet system shall be controlled in cab with the control console previously described in this specification	ed	
	High pressure and tank empty warning lights and alarm		
	Heavy duty wiring harness with weather and corrosion resistant sealed connectors		
Reservoir	Two (2) 75 gallon tanks, rotation molded, medium density polyethylene		

DESCRIPTION	COMPLY	EXCEPTIONS
Tanks equalized with a 2" diameter hose connected between the tanks		
5" diameter filler opening with cap		
Replaceable screen line strainer	·	
Bulk fill quick couple fittings with corrosion resistant shut-off valves		
Bulk fill fittings plumbed to rear of spreader		
Angle formed for side mounted V-Box spreader		
Mounted to spreader with stain- less steel straps		
Internally baffled		
Variable displacement		
Mounted inside V-Box spreader spinner chute		
Mounting shall be all bolt-on. All brackets, hardware and fittings shall be included		
	Tanks equalized with a 2" diameter hose connected between the tanks  5" diameter filler opening with cap  Replaceable screen line strainer  Bulk fill quick couple fittings with corrosion resistant shut-off valves  Bulk fill fittings plumbed to rear of spreader  Angle formed for side mounted V-Box spreader  Mounted to spreader with stainless steel straps  Internally baffled  Variable displacement  Mounted inside V-Box spreader spinner chute  Mounting shall be all bolt-on.	Tanks equalized with a 2" diameter hose connected between the tanks  5" diameter filler opening with cap  Replaceable screen line strainer  Bulk fill quick couple fittings with corrosion resistant shut-off valves  Bulk fill fittings plumbed to rear of spreader  Angle formed for side mounted V-Box spreader  Mounted to spreader with stain- less steel straps  Internally baffled  Variable displacement  Mounted inside V-Box spreader spinner chute  Mounting shall be all bolt-on.

MAKE AND MODEL		
MAKE AND MODEL		

### **ELECTRICAL/LIGHTING**

CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS
Lighting and Wiring	ICC lights and reflectors to conform to FMVSS108.		
	LED stop, tail, & turn lights recessed in rear corner posts of body.		
	LED reverse lights recessed in rear corner posts of body		
	The spreader lights circuit shall be connected to the chassis back-up light circuit by a relay which will power the spreader light to provide additional back-up lighting		
	Gen2 57 count LED Amber Oval LED Strobe Lights recessed in rear corner posts of body		
	Gen2 57 count LED Amber Oval LED strobe lights installed in the 4 oval punch-outs in the cab shield		
	Two SoundOff Signal Intersector LED amber warning lights, mounted under each dump body rub rail, midway between the front and rear of the body		
	Trucklite #80888 dual two beam auxiliary halogen headlamps shal be provided and mounted at a location to be determined by the Village after installation of the plow frame. The headlamp circuit shall be wired into the factory installed upfitter harness and switch	I	

CATEGORY	DESCRIPTION	COMPLY	<b>EXCEPTIONS</b>
	97db electronic back-up alarm		
	Spreader mounted spreader light will be installed with an amber bulb		
	All wiring installed by the body builder shall be a continuous run from the switch to the light or accessory installed by the body builder		
	All wiring installed by the body builder shall be a continuous run from a junction box supplied by the chassis manufacturer for the purpose of extending chassis wiring circuits to the light or accessory installed by the body builder		
	All electrical connections shall be soldered and heat shrink sealed		
	Conspicuity tape shall be applied per NHTSA guidelines		

### **TOWING PACKAGE**

CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS
Trailer Towing	3/4" ASTM A36 steel pintle plate reinforced to the truck frame shall be installed. Multiple holes shall be drilled through the pintle plate to allow for height adjustment of the pintle hook.		
	½" D-rings properly secured to pintle plate for safety chains		
	30,000 # capacity pintle hook Model PH-30 or equal. The pintle hook will be bolted to the pintle plate using 5/8" GR8 bolts.		
	A 7-way trailer socket shall be installed on the pintle plate.		
	The trailer brake glad hands shall be relocated to the outside rear of the truck frame. The Villa shall determine the final mounting position.	ge 	
	1" D-rings shall be welded to the front plow frame to replace factor tow hooks.	y 	

### **OTHER ACCESSORIES**

CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS
Body Vibrator	A Cougar Industries dump bed vibrator, Model #DC 3200 shall be installed		
	Installation shall include a Cougar Industries 12 volt timer, P/N 197266		
	Installation shall include a Cougar Industries mounting kit, P/N 221625 or the use of equivalent components		
	Installation shall be done to the manufacturer's specifications		
Road Temperature Sensor	Road temperature sensor shall be a Road Watch SS Pavement and Air Temperature Sensor		
	Temp sensor shall be installed on the driver's side outside mirror per manufacturer's specifications		
	Temperature read out gauge shall be installed using a factory gauge blank in the dash		
Truck Conveyor	A Hydraulic Truck Conveyor, Model #1200 shall be supplied by the Village for installation on one of the dump trucks described in the above specification		
	Installation shall be done to the manufacturer's specifications, utilizing the manufacturer's mounting hardware		
	Conveyor shall utilize the V-box spreader hydraulic circuit and controls		

CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS
Tarp System	Tarp system shall be a PullTarp semi-automatic, steel protected tarp system, mounted to the headsheet		
	Sized to fit dump body dimension	ns	
	Rated for asphalt use, 14 oz fabric, 375-400 degree rating		
	Side flaps and tie-downs		
Fire Extinguisher	UL rated 10-B-C		
	DOT approved		
	Shipped loose, Village to install		
Miscellaneous	Bidder shall apply for the title and municipal license plates and shall include the following owner information:		
	Village of Orland Park 14700 Ravinia Avenue Orland Park, IL 60462		
	The vehicle shall be delivered with an Illinois temporary license tag.		
	The underside of the chassis and body equipment shall be undercoated.		
	Equipment installer must be a factory authorized distributor for all equipment furnished. Proof of authorization shall be submitted with the bid packet for all equipment furnished		

CATEGORY	DESCRIPTION	COMPLY	EXCEPTIONS
	All equipment shall have a minimone (1) year warranty from the date of delivery to the Village	um 	
	Equipment installer shall be responsible for all equipment warranty issues during the warranty period		
	Equipment installer shall pick up and deliver the unit to rectify warranty issues discovered by the Village		
	A pre-build meeting shall be held between the equipment installer and the Village before beginning assembly of the unit		
	A pre-paint meeting shall be held before the unit goes to paint		
	Descriptive literature shall be submitted with the bid forms for all equipment provided		
	Product support, operator training and component calibration require for the proper operation of the installed equipment shall be proviby the equipment installer in conjunction with the factory representatives.	ed	
	Service manuals, wiring diagrams and parts manuals shall be supplied for all installed equipment		

#### **ADDITIONAL REQUIREMENTS**

All standard equipment provided by the manufacturer shall be supplied on each vehicle. No deletions will be allowed.

All standard and optional equipment shall be factory installed. No aftermarket equipment will be accepted in place of factory supplied equipment. This will also apply to a cab and chassis supplied by the manufacturer to an independent body supplier.

Service manuals and wiring diagrams shall be supplied for all equipment installed by an independent body supplier.

No dealer applied advertising i.e., decals, lettering or license plate frames will be allowed on the vehicle.

A state safety inspection shall be performed on each vehicle if required by law.

A reflective triangle emergency kit and shall be provided for each vehicle if required by law.

The title and municipal license plates shall be applied for by the vendor. The title application shall include the following owner information:

Village of Orland Park 14700 Ravinia Avenue

Orland Park, IL 60462

The vehicle shall be delivered with a state of Illinois temporary license tag.

If the title and registration are not applied for the vendor, the following items shall be Provided to the Village at the time of delivery:

Certificate of Origin

Tax Form ST-556-Must include Copy 1 (white) and Copy 3 (blue)

Odometer Statement

Vehicle Registration Forms

The invoice and factory window stickers shall be provided to the Village at the time of delivery.

ACCEPT		
EXCEPTION TO REQUIREMENTS	 	
X		

Signature of Authorized Signee

### **ADDITIONAL INFORMATION**

CAB AND CHASSIS YEAR, MAKE, MODEL	
COST – EACH CHASSIS	
EQUIPMENT PACKAGES	
Manufacturer	Cost
Dump Body	
Hydraulic System	
Snowplow/Hitch	
Spreader/Pre-Wet	
Lighting	
Towing	
Body Vibrator	
Road Temp. Sensor	
Tarp System	
Other/Misc.	
TOTAL EQUIPMENT COST - EACH UNIT	
TOTAL COST ALL UNITS	
(List the Total Cost written here on the Bidder Sum	mary Sheet in Section II also.)
DELIVERY TIME (DAYS) AFTER RECEIPT OF PURCHASE ORDER	
v	

X
Signature of Authorized Signee