



<http://doingbusiness.lakecountyil.gov/>

Please note the submission location is:

**Lake County Central Permit Facility
Attn: Purchasing Division**

500 W. Winchester Road
Libertyville, IL 60048

Contact information for Lake County Purchasing is:

Purchasing Division
Phone 847-377-2992
Fax 847-984-5889
Email: purchasing@lakecountyil.gov

Lake County Libertyville Campus



- 1. Central Permit Facility
- 2. Winchester House
- 3. Lake County Public Works
- 4. Lake County Division of Transportation

ALL SUBMITTALS SHOULD BE LABELED ACCORDINGLY. PLEASE USE BELOW LABEL FOR YOUR CONVENIENCE.



<u>Buyer</u> Larry Wollheim	Deliver to: Lake County Central Permit Facility ATTN: PURCHASING DIVISION 500 W. Winchester Road Libertyville, IL 60048
<u>Bid No.</u> 13167	
<u>Bid Description</u> Purchase of Hydraulic Hooklifts (2) for the Lake County Division of Transportation	
<u>Bid Due Date</u> June 6, 2013 at 2:00pm	

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SUBMISSION INFORMATION
INVITATION TO BID
 Lake County
 Purchasing Division
 18 North County Street - 9th floor
 Waukegan, Illinois 60085-4350, (847) 377-2929
[EMAIL: purchasing@lakecountyil.gov](mailto:purchasing@lakecountyil.gov)

INVITATION#: 13167
BID OPENING DATE: June 6, 2013
TIME: 2:00 p.m. Local Time
LOCATION: Central Permit Facility
 Attn: Purchasing Division
 500 W. Winchester Road
 Libertyville, IL 60048
 Submit one (1) original and one (1) unprotected electronic version of the bid submission on a CD.
ISSUANCE DATE: May 14, 2013
BUYER: Larry Wollheim

Access Bid Results:
<http://www.lakecountyil.gov/Finance/purchasing/Pages/BidsRFPs.aspx>

INVITATION TO BID CONTRACTOR INFORMATION

Company Name: _____
Address: _____
City, State, Zip Code: _____

BID SHEET 1 of 1

Purchase of Hydraulic Hooklifts (2) for the Lake County Division of Transportation

Bid Item #	Description	Qty	Unit of Measure	Price Each	Extended Total
1.	New, unused, 2013 or current model, Stellar Shuttle Model 108-14-10 Hydraulic Hooklifts, for use by the Lake County Division of Transportation.	2	Each	\$_____	\$_____

Please Note: Include product literature and specifications with bid submission.

NOTE TO BIDDERS: Any and all exceptions to these specifications MUST be clearly and completely indicated on the bid sheet. Attach additional pages if necessary. Please be advised that any exceptions to these specifications may cause your bid to be disqualified.

If a bid includes any exceptions, Bidders must insert an "X" in the following box indicating a bid submission with exceptions.

Submit bids by SEALED BID ONLY. Fax and e-mail bids are not acceptable and will not be considered.

The undersigned hereby certifies that they have read and understand the contents of this solicitation and agree to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to alter any resulting contract or request additional compensation. By signing this bid document, the bidder hereby certifies that they are not barred from bidding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended.

Prompt payment discount: _____% _____ days. THE SECTION BELOW MUST BE COMPLETED IN FULL AND SIGNED.

Authorized Signature: _____ **Company Name:** _____
Typed/Printed Name: _____ **Date:** _____
Title: _____ **Telephone Number:** _____
E-mail: _____ **Fax Number:** _____

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LAKE COUNTY - INVITATION FOR BIDS: TERMS AND CONDITIONS

1. **AUTHORITY.** This Invitation for Bids is issued pursuant to applicable provisions of the Lake County Purchasing Ordinance.
2. **BID OPENING.** Sealed bids will be received at the Lake County Purchasing Department until the date and time specified, at which time they shall be opened in public. Late bids shall be rejected and returned unopened to the sender. Lake County does not prescribe the method by which bids are to be transmitted; therefore, it cannot be held responsible for any delay, regardless of the reason, in transmission of the bids.
3. **BID PREPARATION.** Bids must be submitted on this form and all information and certifications called for must be furnished. Bids submitted in any other manner, or which fail to furnish all information or certificates required, may be summarily rejected. Bids may be modified or withdrawn prior to the time specified for the opening of bids. Bids shall be filled out legibly in ink or typewritten with all erasures, strike overs and corrections initialed in ink by the person signing the bid. The bid shall include the legal name of the bidder, the complete mailing address, and be signed in ink by a person or persons legally authorized to bind the bidder to a contract. Name of person signing should be typed or printed below the signature.
4. **BID ENVELOPES.** Envelopes containing bids must be sealed and addressed to the County of Lake Purchasing Division. The name and address of the bidder and the Invitation Number must be shown in the upper left corner of the envelope.
5. **ERRORS IN BIDS.** Bidders are cautioned to verify their bids before submission. Negligence on the part of the bidder in preparing the bid confers no right for withdrawal or modification of the bid after it has been opened. In case of error in the extension of prices in the bid, the unit prices will govern.
6. **RESERVED RIGHTS.** The County of Lake reserves the right at any time and for any reason to cancel this Invitation for Bids, accept or reject any or all bids or any portion thereof, or to accept an alternate bid. The County reserves the right to waive any immaterial defect in any bid. Unless otherwise specified by the bidder or the County, the County has ninety (90) days to accept. The County may seek clarification from any bidder at any time and failure to respond promptly is cause for rejection.
7. **INCURRED COSTS.** The County will not be liable for any costs incurred by bidders in replying to this Invitation for Bids.
8. **AWARD.** It is the intent of the County to award a contract to the lowest responsible bidder meeting specifications. The County reserves the right to determine the lowest responsible bidder on the basis of an individual item, groups of items, or in any way determined to be in the best interests of the County. Award will be based on the following factors (where applicable): (a) adherence to all conditions and requirements of the bid specifications; (b) price; (c) qualifications of the bidder, including past performance, financial responsibility, general reputation, experience, service capabilities, and facilities; (d) delivery or completion date; (e) product appearance, workmanship, finish, taste, feel, overall quality, and results of product testing; (f) maintenance costs and warranty provisions; and (g) repurchase or residual value.
9. **PRICING.** The price quoted for each item is the full purchase price, including delivery to destination, and includes all transportation and handling charges, premiums on bonds, material or service costs, patent royalties and all other overhead charges of every kind and nature. Unless otherwise specified, prices shall remain firm for the contract period.
10. **DISCOUNTS.** Prices quoted must be net after deducting all trade and quantity discounts. Where cash discounts for prompt payment are offered, the discount period shall begin with the date of receipt of a correct invoice or receipt or final acceptance of goods, whichever is later.
11. **TAXES.** Lake County is not subject to Federal Excise Tax. Per Illinois Compiled Statutes, 35 ILCS 120/2-5, Lake County is exempt from state and local taxes.
12. **SPECIFICATIONS.** Reference to brand names and numbers is descriptive, but not restrictive, unless otherwise specified. Bids on equivalent items will be considered, provided the bidder clearly states exactly what is proposed to be furnished, including complete specifications. Unless the bidder specified otherwise, it is understood the bidder is offering a referenced brand item as specified or is bidding as specified when no brand is referenced, and does not propose to furnish an "equal." The County reserves the right to determine whether a substitute offer is equivalent to and meets the standard of quality indicated by the brand name and number.
13. **SAMPLES.** Samples of items, when called for, must be furnished free of expense and, if not destroyed in the evaluation process, will, upon request, be returned at the bidder's expense. Request for the return of samples must accompany the sample and include UPS Pickup Slip, postage or other acceptable mode of return. Individual samples must be labeled with bidder's name, invitation number, item reference, manufacturer's brand name and number.
14. **INTERPRETATION OR CORRECTION OF BIDDING DOCUMENTS.** Bidders shall promptly notify the County of any ambiguity, inconsistency or error which they may discover upon examination of the bidding documents. Interpretations, corrections and changes will be made by addendum. Each bidder shall ascertain prior to submitting a bid that all addenda have been received and acknowledged in the bid.
15. **INDEMNIFICATION.** The Seller shall indemnify and hold harmless the County, its agents, officials, and employees from and against all injuries, losses, claims, suits, costs and expenses which may accrue against the County as a consequence of granting the Contract.
16. **DEFAULT.** Time is of the essence of this contract and if delivery of acceptable items or rendering of services is not completed by the time promised, the County reserves the right, without liability, in addition to its other rights and remedies, to terminate the contract by notice effective when received by Seller, as to stated items not yet shipped or services not yet rendered and to purchase substitute items or services elsewhere and charge the Seller with any or all losses incurred. The County shall be entitled to recover its attorney's fees and expenses in any successful action by the County to enforce this contract.
17. **INSPECTION.** Materials or equipment purchased are subject to inspection and approval at the County's destination. The County reserves the right to reject and refuse acceptance of items which are not in accordance with the instructions, specifications, drawings or data of Seller's warranty (express or implied). Rejected materials or equipment shall be removed by, or at the expense of, the Seller promptly after rejection.
18. **WARRANTY.** Seller warrants that all goods and services furnished hereunder will conform in all respects to the terms of this solicitation, including any drawings, specifications or standards incorporated herein, and that they will be free from latent and patent defects in materials, workmanship and title, and will be free from such defects in design. In addition, Seller warrants that said goods and services are suitable for, and will perform in accordance with, the purposes for which they are purchased, fabricated, manufactured and designed or for such other purposes as are expressly specified in this solicitation. The County may return any nonconforming or defective items to the Seller or require correction or replacement of the item at the time the defect is discovered, all at the Seller's risk and expense. Acceptance shall not relieve the Seller of its responsibility.
19. **REGULATORY COMPLIANCE.** Seller represents and warrants that the goods or services furnished hereunder (including all labels, packages and container for said goods) comply with all applicable standards, rules and regulations in effect under the requirements of all Federal, State and local laws, rules and regulations as applicable, including the Occupational Safety and Health Act as amended, with respect to design, construction, manufacture or use for their intended purpose of said goods or services. Seller shall furnish "Material Safety Data Sheets" in compliance with the Illinois Toxic Substances Disclosure to Employees Act.
20. **EQUAL EMPLOYMENT OPPORTUNITY.** Contractor shall comply with the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq., as amended and any rules and regulations promulgated in accordance therewith, including, but not limited to the Equal Employment Opportunity Clause, Illinois Administrative Code, Title 44, Part 750 (Appendix A), which is incorporated herein by reference. Furthermore, the Contractor shall comply with the Public Works Employment Discrimination Act, 775 ILCS 10/0.01 et seq., as amended.
21. **ROYALTIES AND PATENTS.** Seller shall pay all royalties and license fees. Seller shall defend all suits or claims for infringement of any patent, copyright or trademark rights and shall hold the County harmless from loss on account thereof.
22. **LAW GOVERNING.** This contract shall be governed by and construed according to the laws of the State of Illinois. Jurisdiction and venue shall be found exclusively in the 19th Judicial Circuit Court, State of Illinois.

Bid #13167

**Purchase of Hydraulic Hooklifts (2) for the Lake County Division of Transportation,
Libertyville, IL 60048**

1. OVERVIEW

Lake County is interested in purchasing (2) each, specified, new, unused, 2013 or current model, Stellar Shuttle Model 108-14-10 Hydraulic Hooklifts, for use by the Lake County Division of Transportation. The specified equipment will be furnished and delivered to the specified Lake County location in a completely functional condition.

2. WORK INCLUDED

The work to be performed by the Contractor shall include furnishing and delivering of the awarded items to the Lake County Division of Transportation, 600 West Winchester Road, Libertyville, IL 60048.

3. SUBMISSION OF BIDS

Bids will be accepted until **2:00 p.m. local time, June 6, 2013**, at the Lake County Central Permit Facility, ATTN: PURCHASING DIVISION, 500 W. Winchester Road, Libertyville, IL 60048.

Each bid must include the following completed and signed forms and submissions:

- a. "Invitation to Bid" form.
- b. Qualification Form.
- c. Reference Form.
- d. Product literature and manufacturer's specifications for item bid.

4. PRODUCT SUPPLIED

All equipment will be new (recent manufacture or manufactured for this contract) and unused, first quality only. Equipment supplied will conform in quality, construction, fit for intended use and meet all industry standards for the intended use as specified herein. Please include product descriptive literature and specification sheets with the bid submission.

5. AWARD

Award will be made to the lowest responsive and responsible bidder who best meets the evaluation criteria specified herein.

6. PRECEDENCE

Where there appears to be variances or conflicts, the following order of precedence shall prevail: Lake County Specifications; Lake County General Terms & Conditions, Lake County Invitation for Bids General Terms & Conditions and the Contractor's Bid Response.

7. BID PRICE

Pricing is to be submitted for the provision and delivery of all equipment as per specifications. The bid price shall be the net price charged per item; F. O. B. delivered, freight prepaid and included in the bid price to Lake County, including all discounts.

8. CONTRACTOR QUALIFICATIONS AND EVALUATION CRITERIA

All bidders shall be original equipment manufacturer authorized dealers/distributors for state and local governments, and must be able to provide supporting documentation at the County's request in order to be considered for award. All bidders must be qualified suppliers and demonstrate their capability to provide products required in accordance with the bid specifications. Bidders shall complete and submit the Contractors Qualification Form with their bid.

Bids shall be evaluated as follows: (not listed in order of priority):

- Bid price
- Compliance with the specifications as set forth herein. Bidders shall include an additional page (s) listing any non-compliance to the specifications. If any non-compliance to the specifications exists, Bidders shall insert an "X" in the Exception box on Page 3, Bid Sheet 1 of 1.
- Compliance with the delivery requirements
- References provided where similar equipment is installed and is being used
- Number of years in business
- Technical and services capabilities of Contractor's employees
- Quality of construction, durability and life expectancy of the system

9. DELIVERY REQUIREMENTS

The required products shall be delivered to the specified Lake County location within sixty (60) days of receipt of purchase order.

10. DELIVERY CONDITIONS

Specified equipment shall be bid F.O.B. Destination, with all freight and transportation charges included in the bid price. The term F.O.B. Destination shall mean delivered to a specified Lake County location. Any claim for loss or damage shall be between the Contractor and the carriers, movers, riggers, etc.

11. OPERATION MANUALS

Successful contractor will furnish one (1) owner's manual with complete parts list and repair information as a condition of this contract, for each Bid Item ordered.

12. JURISDICTION, VENUE, CHOICE OF LAW

This contract shall be governed by and construed according to the laws of the State of Illinois. Jurisdiction and venue shall be exclusively found in the 19th Judicial Circuit Court, State of Illinois.

13. INVOICES AND PAYMENTS

The Contractor shall submit an invoice(s) detailing the services and products provided in accordance with the payment provisions of this contract. Invoice shall show the purchase order number and the address where the product or service was provided. Payment shall be made in accordance with the Local Government Prompt Payment Act.

14. BID REVIEW

After bid submittal, bids may be subjected to subsequent review. Lake County reserves the right to conduct follow up reference checks, request additional information or perform other activities related to comprehensive bid review and determination of the lowest responsive and responsible bidder who best meets the specifications.

15. NON-ENFORCEMENT BY THE COUNTY

The Contractor shall not be excused from complying with any of the requirements of the contract because of any failure on the part of the County, on any one or more occasions, to insist on the Contractor's performance or to seek the Contractor's compliance with any one or more of said terms or conditions.

16. REFERENCES

References must be provided as requested on the Reference Page. Bidders shall complete and submit the Reference Form with their bid.

17. ADDENDA

Any and all changes to the specifications and terms and conditions of this Bid are valid only if they are included by written addendum to all bidders, which will be e-mailed prior to the bid opening date to all who are known to have received a complete Invitation to Bid. Each potential Bidder shall acknowledge receipt of any addenda by signing such addendum and returning a copy to the Lake County Purchasing Division prior to, or along with, a sealed bid. Each Bidder, by acknowledging receipt of any addenda, is responsible for the contents of the addenda and any changes to the bid therein. Failure of any bidder to receive any such addendum or interpretation shall not relieve the bidder from obligation under this bid as submitted. Addenda are available on the Lake County Web-Site at <http://www.lakecountyl.gov/Finance/purchasing/Pages/BidsRFPs.aspx>

18. ADDITIONAL INFORMATION

Should the bidder require additional information about this bid, please email to purchasing@lakecountyl.gov no less than seven (7) days prior to the bid opening date. Questions may also be faxed to Lake County Purchasing Division (847) 984-5889. ANY and ALL changes to these specifications are valid only if they are included by written Addendum to All Bidders. No interpretation of the meaning of the plans, specifications or other contract documents will be made orally. Failure of any bidder to receive any such addendum or interpretation shall not relieve the bidder from obligation under this bid as submitted. All addenda so issued shall become part of the bid documents. Failure to request an interpretation constitutes a waiver to later claim that ambiguities or misunderstandings caused a bidder to improperly submit a bid.

19. WARRANTY TERM, SERVICE AND SUPPORT

All equipment included in this bid shall be warranted to be free from defects for a one (1) year period, 100% parts and labor, or for the manufacturer's standard warranty, whichever is longer.

20. HOLD HARMLESS CLAUSE

The Contractor agrees to indemnify, save harmless and defend Lake County, its agents, servants, employees, and each of them against and hold it and them harmless from any and all lawsuits, claims, demands, liabilities, losses, and expenses; including court costs and attorney's fees for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to property, which may arise or which may be alleged to have arisen out of, or in connection with the work covered by this project. The foregoing indemnity shall apply except if such injury is caused directly by the willful and wanton conduct of Lake County, its agents, servants, or employees or any other person indemnified hereafter.

21. INSURANCE

The contractor must obtain, for the Contract term and any extension of it, insurance issued by a company or companies qualified to do business in the State of Illinois and provide the County with evidence of insurance. Insurance in the following types and amounts is necessary:

- a. Worker's Compensation Insurance covering all liability of the Offeror arising under the Worker's Compensation Act and Worker's Occupational Disease Act.
- b. Comprehensive General (Public) Liability in a broad form, to include coverage for the following

where exposure exists:

Premises/Operations, Independent Contractors,
Products/Completed Operations, Personal Injury and
Contractual Liability, limits of liability not less than:
\$1,000,000 each occurrence
\$2,000,000 general aggregate bid.

The Contractor agrees that with respect to the above required insurance, Lake County shall:

- Be provided with thirty (30) days notice, in writing, of cancellation material change;
- Be provided with Certificates of Insurance evidencing the above-required insurance, prior to commencement of this Contract and thereafter with certificates evidencing renewals or replacements of said policies of insurance at least fifteen (15) days prior to the expiration or cancellation of any such policies. Said Notices and Certificates of Insurance shall be provided to:

Lake County
Purchasing Division – 9th Floor
18 N. County Street
Waukegan, IL 60085-4357

Comprehensive Automobile Liability Insurance, in a broad form, covering the liability of the Contractor for personal injuries, including death, and for loss or damage to property arising in connection with the operation of owned and non-owned vehicles; limits of liability not less than those specified.

22. RESERVED RIGHTS

Lake County reserves the right to cancel this Invitation for Bid at any time, to reject any and all bids for any reason, to accept an alternate bid, to waive any informalities or exceptions in the bid and to award on a collective or individual item basis

23. TERMINATION

The County reserves the right to terminate this contract, or any part of this contract, upon thirty (30) days' written notice. In case of such termination, the Contractor shall be entitled to receive payment from the County for items ordered and in transit in accordance with the terms and conditions of this contract. In the event that this contract is terminated due to Contractor's default, the County shall be entitled to purchase substitute items and/or services elsewhere and charge the Contractor with any or all losses incurred, including attorney's fees and expenses.

END OF GENERAL CONDITIONS

Bid #13167

Purchase of Hydraulic Hooklifts (2) for the Lake County Division of Transportation, Libertyville, IL 60048

(This section must be completed and returned with bid. Attach additional pages as required to complete required documentation.)

List below current/past customers and local governmental entities similar in size and scope of operation to Lake County where you have provided similar equipment to the equipment specified herein:

1. Entity: _____
Address: _____
City, State, Zip Code: _____
Telephone Number: _____
Description of Services and Equipment Provided: _____

Date of Service: ___/___/___ To ___/___/___

2. Entity: _____
Address: _____
City, State, Zip Code: _____
Telephone Number: _____
Description of Services and Equipment Provided: _____

Date of Service: ___/___/___ To ___/___/___

3. Entity: _____
Address: _____
City, State, Zip Code: _____
Telephone Number: _____
Description of Services and Equipment Provided: _____

Date of Service: ___/___/___ To ___/___/___

Company: _____ **Authorized Signature:** _____
Date: _____ **Title:** _____

Bid #13167

Purchase of Hydraulic Hooklifts (2) for the Lake County Division of Transportation, Libertyville, IL 60048

(This section must be completed and returned with bid. Attach additional pages as required to complete required documentation.)

A. Name and Address of Office from which this contract will be administered

Name: _____

Address: _____

Phone: _____ Fax: _____

Project Manager: _____

Email: _____

Years in Business: _____ Number of Employees: _____

Annual Sales: \$_____ Dunn & Bradstreet #: _____

B. Name and Address of Repair Facilities that would service Lake County

Name: _____

Address: _____

Phone: _____ Fax: _____

Service Manager: _____

C. Name and Address of Repair Parts Inventory Depot that would service Lake County

Name: _____

Address: _____

Phone: _____ Fax: _____

Parts Manager: _____

D. Name and phone number of the in-house technical service consultant Lake County will contact as may be required to obtain technical assistance for repair and maintenance.

Name: _____

Address: _____

Phone: _____ Fax: _____

Technical Services _____

Consultant:

E. List Additional Employees Who Will be Dedicated to Lake County for the Administration of This Contract:

(Attach additional pages as necessary)

NAME	POSITION TITLE	NUMBER OF YEARS	AREA OF RESPONSIBILITY / EXPERIENCE	TASK
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Bid #13167**Purchase of Hydraulic Hooklifts (2) for the Lake County Division of Transportation, Libertyville, IL 60048**

The Stellar Hooklift provided must comply with the following specifications.

- 1. Shall be a Stellar Shuttle Model 108-14-40 Hydraulic Hooklift**
- 2. Lifting Capacity:**
40,000 pounds gross weight evenly distributed in, or on, body.
- 3. Container Length:**
12-foot through 14-foot from front A-frame to rear of skid rails. Longer bodies up to 17-feet may be accommodated if full dump angle is not required (may require special body-mounted or extendable truck-mounted bumper and additional latches to meet the Federal Motor Carrier Safety Administration (FMCSA) Rear End Protection regulation 393.86 and Securing Hooklift Containers regulation 393.134).
- 4. Maximum Dump Angle:**
57°
- 5. Operating Pressure:**
4,200 PSI maximum.
- 6. Weight of Hooklift:**
Hooklift weight not to exceed 4,000 pounds.
- 7. Height of Hooklift:**
Hooklift height not to exceed 11.31" as measured from top of truck frame to top of hooklift rollers.
- 8. Hook Height:**
61.75-inches from bottom of skid rails to bottom of hook bar. Hooklift must be able to pick up body 10-inches below grade, when mounted on a 41" truck frame height,
- 9. Hydraulic Pump:**
Direct-coupled high-pressure piston pump.
- 10. Hydraulic Control Valve:**
Hydraulic valve mounted directly onto the oil reservoir.
- 11. Controls:**
Dual manual levers with sealed cable actuators mounted in the truck cab to allow full feathering of all hooklift functions.

12. Tilting Hook Assembly:

Hooklift must have pivoting type front tilt section (jib) to provide a low degree loading/unloading angle. Hook to include automatic mechanical safety latch which disengages only when the container/body is in proper position to be picked up or dropped off.

13. Tilt Cylinder:

Single 4-inch bore with 2-inch diameter rod cylinder. Cylinder must be double acting and include dual integral pilot-operated counterbalance valves to prevent cylinder collapse in case of hose failure. Cylinder must be fully retracted when in the transport mode to prevent exposure of cylinder rod to corrosive road salts.

14. Tilt Section Operation:

Hooklift must include a hydraulic lock out device to prevent operation of the tilt section while hooklift is in the dumping mode.

15. Lift/Dump Cylinder:

Single 7-inch bore with 3-inch diameter rod cylinder, Cylinder must be double acting and include dual integral pilot-operated counterbalance valves to prevent cylinder collapse in case of hose failure.

16. Dump/Tilt Interlock:

Dumping must be accomplished through a rear pivot. Tilt and lift sections must lock into a rigid full length 26" wide frame with front saddles to provide support for the container while in the dump mode. These sections form this frame without the use of mechanical latches which rely on gravity, springs, or container/body mounted latches. The system must be protected from out of sequence operation.

17. Rear Body Hold-downs:

Dual fixed-position hold down devices mounted to the dump frame to secure the body to the hooklift through all ranges of the dump mode. This must be accomplished without the use of steel springs and/or hydraulic/air cylinders. Hooklift must be compatible with containers manufactured to ANSI Z245.60 recommended standard for waste containers.

18. Rear Dump Hinge Pin:

2.5-inch diameter carbon steel and zinc plated or type 17-4 stainless steel.

19. Pins:

All pins to be carbon steel and zinc plated or type 17-4 stainless steel.

20. Bushings:

All bushings to be of the DX pre-lubricated variety, used with grease fittings. Bronze bushings not allowed due to survivability in heavy containment and corrosive environments.

21. Hoses & Hyd. Fittings:

All hoses and fittings are to be SAE; metrics are not to be allowed. O-ring face seal fittings to be utilized wherever possible.

22. Origin of Manufacture:

Hooklift to be designed and manufactured in the United States of America.

END OF SPECIFICATIONS