



**SPECIFICATIONS**  
**HOOK CONTAINER LOADING SYSTEM**  
File No. 2013-041

**Ray Dilts**  
**Fleet Manager**  
**920-322-3554**  
**920-322-3541 Fax**  
**[rdilts@fdl.wi.gov](mailto:rdilts@fdl.wi.gov)**

**ADVERTISEMENT FOR BIDS  
CITY OF FOND DU LAC**

NOTICE IS HEREBY GIVEN that sealed bids will be received in City Administrative offices located on the fourth floor of the City-County Government Center, 160 South Macy Street, Fond du Lac, Wisconsin 54936-0150 before 2:00 March 12, 2013 at which time bids will be publicly opened and read aloud in the City Manager's conference room located on the fourth floor, City-County Government Center. Telephone and Fax bids will not be accepted.

Specifications and Proposal Forms may be obtained in City Administrative Offices or online at <http://www.fdl.wi.gov/bids.html>. . Proposals shall be submitted on forms supplied by the City of Fond du Lac and placed in bidder's own sealed envelope marked "**ONE HOOK CONTAINER LOADING SYSTEM, File No. 2013-041**".

**Only one bid shall be submitted in each sealed envelope.**

Late proposals will not be accepted under any circumstances. Any proposal(s) received after the scheduled time for closing will be returned to the proposing firm unopened. Sole responsibility rests with the proposing firm to see that their proposal is received on time.

The City of Fond du Lac reserves the right to accept or reject any or all bids and to accept the bid deemed most advantageous to the City.

Advertised February 26 and March 5, 2013

DEPARTMENT OF PUBLIC WORKS

## **GENERAL NOTES**

The purpose of these specifications is to describe the minimum requirements for (1) **ONE HOOK CONTAINER LOADING SYSTEM WITH CENTRAL HYDRAULIC SYSTEM.**

1. Bid price shall NOT include any federal or state sales tax.
2. Bidder shall furnish a separate letter, which will fully explain the conditions of the warranty and/or guarantee.
3. Bidder shall submit complete manufacture's specifications and descriptive literature for the units being bid.
4. The bidder must submit his proposal on forms furnished by the City of Fond du Lac.
5. All units shall comply with any and all OSHA and ICC regulations that might pertain to the units being bid.
6. Price shall include all fees or charges for installing, mounting, painting any and all equipment mentioned in these specifications, also to include any equipment not specifically mention but needed to make a complete unit.
7. Any deviations from these specifications shall be noted in writing by the bidder. When variations are not stated clearly, it will be understood the bidder proposed to meet all details of the specifications.
8. Direct any questions to Ray Dilts fleet manager at 920-322-3554.

# HOOKLIFT LOADING SYSTEM AND HYDRAULIC SPECIFICATIONS

	COMPLY	
	YES	NO
<b>OPERATING SPECIFICATIONS:</b>		
1. Manufacturers Rated Capacity: 50,000lbs	<input type="checkbox"/>	<input type="checkbox"/>
2. Tested lifting and pulling capacities of 50,000lbs	<input type="checkbox"/>	<input type="checkbox"/>
3. Recommended container lengths: 18-22 Ft.	<input type="checkbox"/>	<input type="checkbox"/>
4. Maximum operating hydraulic pressure: Up to 4,500psi and 20gpm	<input type="checkbox"/>	<input type="checkbox"/>
5. Sliding jib section: Hooklift shall have a sliding jib section	<input type="checkbox"/>	<input type="checkbox"/>
6. Hook height required: Must accomodate a 62" dumpster hook height (from ground to bottom of container hook)	<input type="checkbox"/>	<input type="checkbox"/>
7. Pivot Arm: Dual pivot points	<input type="checkbox"/>	<input type="checkbox"/>
<b>STRUCTURAL SPECIFICATIONS:</b>		
1. Main Frame: Designed for 65,000lb capacity	<input type="checkbox"/>	<input type="checkbox"/>
2. Jib and Pivot Frame: Designed for 65,000 capacity	<input type="checkbox"/>	<input type="checkbox"/>
3. Tail Pivot Arm: Designed for 65,000lb. capacity	<input type="checkbox"/>	<input type="checkbox"/>
4. Hinge Pins: Designed for 65,000 capacity	<input type="checkbox"/>	<input type="checkbox"/>
5. Container Slide: Must specify which one is used Side rollers:                      Number per side used _____ Slides	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
6. Rear Rollers: Dual pivoting container guide rollers	<input type="checkbox"/>	<input type="checkbox"/>
7. Bumper: Engineered to hold clearance, tail, brake, marker, license plate and turn signal lights.	<input type="checkbox"/>	<input type="checkbox"/>
8. Inside Tower: Air Controls for hoist and PTO switch	<input type="checkbox"/>	<input type="checkbox"/>

## HOOKLIFT LOADING SYSTEM AND HYDRAULIC SPECIFICATIONS

	COMPLY	
	YES	NO
9. Fenders: High density plastic	<input type="checkbox"/>	<input type="checkbox"/>
10. Primed and painted to match factory chassis paint	<input type="checkbox"/>	<input type="checkbox"/>
11. All weld by product and scaling must be removed prior to painting	<input type="checkbox"/>	<input type="checkbox"/>
12. Hoist Props: Dual Safety Props	<input type="checkbox"/>	<input type="checkbox"/>

**PUSHER AXLE:**

Shall be a 13,200 lb. Watson-Chalin steerable pusher axle.

**NOTE: All main frames and manufactured components shall be jigged when fabricated to assure interchangeability of parts.**

**HYDRAULIC SPECS:**

1. Pump: Pump shall be a axial piston and flow compensated and load sensing.	<input type="checkbox"/>	<input type="checkbox"/>
2. Hyd. Pump shall be sized correctly, direct coupled piston pump. No pump drivelines allowed.	<input type="checkbox"/>	<input type="checkbox"/>
3. Valve: Minimum 5000 psi rated 2 Spool Sectional, 65 G.P.M. with main relief with air operated graphite impregnated cylinders with manual controls outside.	<input type="checkbox"/>	<input type="checkbox"/>
4. Jib cylinders: Cylinder shall be double acting with integral counterbalance valve to prevent cylinder collapse in case of a hose failure.	<input type="checkbox"/>	<input type="checkbox"/>
5. Return Oil Filter: Replaceable, 120 G.P.M., 3 Micron with bypass.	<input type="checkbox"/>	<input type="checkbox"/>
6. Oil Reservoir: Minimum of 25 gallon reservoir with an air breather, sight glass and temperature gauge.	<input type="checkbox"/>	<input type="checkbox"/>

## HOOKLIFT LOADING SYSTEM AND HYDRAULIC SPECIFICATIONS

	COMPLY	
	YES	NO
7. Suction Strainer: Replaceable, 100 Wire Mesh with built-in bypass.	<input type="checkbox"/>	<input type="checkbox"/>
8. Shutoff Valves: 2" Ball Valve	<input type="checkbox"/>	<input type="checkbox"/>
9. Hydraulic Fittings: Swivel, O-Ring Fittings and JIC	<input type="checkbox"/>	<input type="checkbox"/>
10. Hydraulic Hoses: 4 Wire High Pressure	<input type="checkbox"/>	<input type="checkbox"/>
11. Lift Cylinders: (2) 7"x 3 1/2"x 81" High Pressure cylinders with hardened steel bushings, chrome rods and built-in counter balance valves.	<input type="checkbox"/>	<input type="checkbox"/>
12. Hydraulic Oil: Dual range high viscosity oil for outstanding cold and warm weather performance.	<input type="checkbox"/>	<input type="checkbox"/>
13. Hose Guards: Hose wrap or guards required at all pivot points.	<input type="checkbox"/>	<input type="checkbox"/>
14. Jib Cylinders: High pressure cylinder with hardened steel bushings, chrome rod and built-in counter balance valves.	<input type="checkbox"/>	<input type="checkbox"/>
15. Jib: Double acting valve	<input type="checkbox"/>	<input type="checkbox"/>
16. Oil Reservoir Air Breather: Replaceable 3 Micron	<input type="checkbox"/>	<input type="checkbox"/>
17. Jib: Single cylinder sliding with twin mechanical interlocks allowing actuation of the pivot arm.	<input type="checkbox"/>	<input type="checkbox"/>

**THE FOLLOWING ARE MINIMUM SPECIFICATIONS FOR PLOW, WING AND SPREADER HYDRAULIC SYSTEM:**

1. Hydraulic pump 30 GPM and 3000 PSI at 2500 rpm must have side ports to avoid multiple 90-degree bends in the suction line.	<input type="checkbox"/>	<input type="checkbox"/>
2. Pump must be load-sensing type.	<input type="checkbox"/>	<input type="checkbox"/>

# HOOKLIFT LOADING SYSTEM AND HYDRAULIC SPECIFICATIONS

		COMPLY	
		YES	NO
3.	Hydraulic stack valve must be capable of a nominal 30 GPM, with published flow curves to 50 GPM. The valves shall be zero tolerance spools and arranged as follows:	<input type="checkbox"/>	<input type="checkbox"/>
4.	Hydraulic stack valve must be capable of a nominal 30 GPM, with published flow curves to 50 GPM. the valves shall be zero tolerance spools and arranged as follows:		
	a. Single acting cylinder spool with float for plow lift.	<input type="checkbox"/>	<input type="checkbox"/>
	b. Double acting cylinder spool for plow reverse angle.	<input type="checkbox"/>	<input type="checkbox"/>
	c. Single function with two (2) sequencing valves for wing operation.	<input type="checkbox"/>	<input type="checkbox"/>
	d. Wing push arm, double acting with out relief@700psi.	<input type="checkbox"/>	<input type="checkbox"/>
	f. Single acting motor spool for spinner	<input type="checkbox"/>	<input type="checkbox"/>
	e. Proportional 12vdc spring to center with manual override.	<input type="checkbox"/>	<input type="checkbox"/>
	g. Single acting motor spool for feeder.	<input type="checkbox"/>	<input type="checkbox"/>
	h. Proportional 12vdc spring to center with manual override.	<input type="checkbox"/>	<input type="checkbox"/>
	i. Hoist double acting valve	<input type="checkbox"/>	<input type="checkbox"/>
5.	Sections 1-5 will be actuated by an "RVC" style cable control system:		
	a. Cables will be sealed at valve face and control head in the cab.	<input type="checkbox"/>	<input type="checkbox"/>
	b. Dual "+" axis control on the plow raise/lower & angle	<input type="checkbox"/>	<input type="checkbox"/>
	c. Cable core shall be stainless steel capable of 100 pounds push-pull.	<input type="checkbox"/>	<input type="checkbox"/>
	d. Controls to be mounted within easy reach of the driver.	<input type="checkbox"/>	<input type="checkbox"/>
6.	Any item not specifically mentioned in these specifications, but normally included in the complete unit, shall be included.	<input type="checkbox"/>	<input type="checkbox"/>
7.	Hyd. Cushion valve shall be furnished to protect the reversing rams on the snow plow (mounted as close to the cylinders as possible).	<input type="checkbox"/>	<input type="checkbox"/>
8.	The (2) two single acting 12 vdc spool valves shall be plumbed to the rear of the chassis to accommodate a tailgate spreader.	<input type="checkbox"/>	<input type="checkbox"/>

# HOOKLIFT LOADING SYSTEM AND HYDRAULIC SPECIFICATIONS

COMPLY

YES NO

## TARPING SYSTEM:

- |  |                          |                          |
|--|--------------------------|--------------------------|
| 1. Tarp shall be <b>PIONEER model 4500SA GR, Autotarper</b> or equivalent.                         | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Shall have an adjustable hyd. gantry and <b>HEAVY DUTY TARP.</b> to cover containers 16' to 22' | <input type="checkbox"/> | <input type="checkbox"/> |

## ELECTRICAL SPECIFICATIONS:

- |  |                          |                          |
|--|--------------------------|--------------------------|
| 1. FMVSS Compliant and CMVSS Compliant | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Sealed lights                       | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Lights to be rubber mounted         | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Hoist up alarm                      | <input type="checkbox"/> | <input type="checkbox"/> |

**PROPOSAL**  
**ONE HOOK CONTAINER LOADING SYSTEM WITH  
CENTRAL HYDRAULIC SYSTEM**

To: City of Fond du Lac  
Fond du Lac, WI. 54935

We, the undersigned, propose to furnish the City of Fond du Lac, Fond du Lac, Wisconsin, with the following equipment as herein specified by us in accordance with the specifications hereto attached:

ONE HOOK CONTAINER LOADING SYSTEM  
WITH CENTRAL HYDRAULIC SYSTEM \$ \_\_\_\_\_

NET BID \$ \_\_\_\_\_

Calendar days for delivery after receipt of order: \_\_\_\_\_ days

COMPANY \_\_\_\_\_

NAME \_\_\_\_\_ TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

DATE \_\_\_\_\_ TELEPHONE NUMBER \_\_\_\_\_

SIGNATURE \_\_\_\_\_