



**Request for City Council Committee Action
From the Departments of Public Works and Procurement**

Date: April 4, 2006
To: Honorable Sandra Colvin Roy, Chair Transportation & Public Works Committee
Referral to: Honorable Paul Ostrow, Chair Ways & Means Committee
Subject: **Approval of Official Publication No. 6585 - Bids for Refuse Low Entry Cab and Chassis and Packer Bodies**

Recommendation:

Acceptance of the low responsive bids as indicated below to furnish and deliver refuse low entry cab and chassis and packer bodies to Public Works Solid Waste and Recycling, as follows:

Crane Carrier Corporation - in the amount of \$ 774,704.00

1.	7 each	Base Bid - Chassis complete Model LET2-40	105,597.00	739,179.00
3.	7 each	Alternate 1 - Extended Warranty for cab	1,200.00	8,400.00
5.	7 each	Alternate 3 - Never Seize All Wheel & Drums	100.00	700.00
6.	7 each	Alternate 4 - Additional 7 year 250,000 mile vocational Cummins Engine Warranty	1,375.00	9,625.00
7.	7 each	Alternate 5 - Midwest Style Engine Speed Up	650.00	4,550.00
9.	7 each	Alternate 7 - Additional 5 year Allison Transmission Warranty	1,750.00	12,250.00

Repair Parts Price List dated January 1, 2002 less 20% discount.

Terms are net 30 days with delivery 180 days after receipt of order. F.O.B.: Destination.

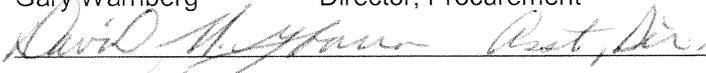
ABM Equipment & Supply - in the amount of \$ 224,799.00

2.	3 each	Base Bid - Packer Bodies Leach Model 2R11	69,966.00	209,898.00
4.	3 each	Alternate 2 - Extended 2 Year Warranty	1,989.00	5,967.00
10.	3 each	Alternate 3 - 5 Year Hydraulic Cylinder Warranty	2,978.00	8,934.00

Vendor offers to extend the above prices for the purchase of up to four (4) additional units within 12 months of purchase order.

Terms are net 30 days with delivery 60-120 days after receipt of order. F.O.B.: Destination.

Contingent on approval of the Civil Rights Department.

Prepared by: Gary Warnberg Director, Procurement


Approved by: Klara A. Fabry, P.E. City Engineer, Director of Public Works


Presenters: Susan Young Director of Solid Waste and Recycling Services

Permanent Review Committee (PRC) Approved _____ Not Applicable XXX
 Policy Review Group (PRG) Approved _____ Not Applicable XXX

Financial Impact (Check those that apply)

No financial impact - or - Action is within current department budget.
(If checked, go directly to Background/Supporting Information)

Action requires an appropriation increase to the Capital Budget

Action requires an appropriation increase to the Operating Budget

Action provides increased revenue for appropriation increase

Action requires use of contingency or reserves

Business Plan: Action is within the plan Action requires a change to plan

Request provided to department's Finance Department contact when provided to the Committee Coordinator

Community Impact

Neighborhood Notification: Not Applicable

City Goals: Maintain the physical infrastructure to ensure a healthy, vital and safe city

Comprehensive Plan: Not Applicable

Zoning Code: Not Applicable

Background/Supporting Information:

Tabulation of four (4) bids received on Official Publication No. 6585 for Refuse Low Entry Cab and Chassis and Packer Bodies is attached.

Please refer to the enclosed Staff Memo regarding vendors who did not meet the specifications.

Attachments - Staff Recommendation
Tabulation Sheet

cc: S. Young
R. Schoumaker
R. Nubbe

Exceptions to Bid No. 6585

McNeilus Truck & Manufacturing Company (McNeilus Packer Body)

1. **Exception –Not Listed as an Exception**-- Page 11 Section II-4 paragraph 3: -Bid calls for Manufacturer(s) must operate and support a complete factory authorized service and repair facility within thirty miles of the City of Minneapolis. This facility shall have factory trained personnel and sufficient OEM (original equipment manufacturers) parts inventory and the availability to perform all aspects of vehicle service from routine maintenance to major breakdown repair.
McNeilus Company doesn't have an OEM factory authorized service and repair facility within thirty miles of the City of Minneapolis.
This is a very critical bid requirement due to the repairs that are needed for both new and existing vehicles. McNeilus is basically selling their product factory direct with no service center. The City of Minneapolis Solid Waste & Recycling Department relies on factory repair centers to minimize cost and city man hours required to repair vehicles. The City of Minneapolis does all repairs during the warranty period and then applies for reimbursement from McNeilus. This procedure requires the buyer (us) to spend more shop time repairing and processing paper work for all warranty claims.
2. **Exception—Not Listed as an Exception**—Page 23 IV-2 Paragraph E Bid calls for--Shall utilize one hundred twenty six inches (126") of truck "CT" not including Cab interference dimension of four inches (4").
McNeilus company utilizes 128-132 frame CT and may not provide the four inches of free space between the cab and packer body.
This will decrease the distance between the cab and body requiring tighter working areas for repairs and will increase the overall length of the vehicle. Bid specifications were written to provide the best maneuverability in alleys and streets.
3. **Exception—Not Listed as an Exception**—Page 25 IV-3 Paragraph 1a. Bid calls for: Provision for total gallon-per-minute flow of 45GPM or more and operating pressure of 2000 PSI at a maximum engine speed of 950 RPM.
Mc Neilus bid their hydraulic system at Maximum operating pressure of 2,450 PSI with a MRV setting at 2,700 PSI.
Utilizing smaller cylinders with a higher working pressure normally creates more heat, breakdown of hydraulic fluid and may have less longevity of the hydraulic system.
4. **Exception**—Page 27 IV-3 Paragraph 3d. Bid calls for All tailgate lift cylinders are to contain two-tailgate lift cylinder – 4" bore, single acting.
Mc Neilus offers a 3 ½ inch bore cylinders.
This may be sufficient for the hopper size and weight but is unknown at this time. The bigger cylinders specified in the bid would do a better job in reference to longevity and maintenance cost.
5. **Exception:** Page 23 Section IV-2 Item B. Bid calls for: Flat sides and roof reinforced with tubular channel sections at critical high-stress areas.
McNeilus utilizes an elliptical design.
Most square body packer units are shorter and require less CT distance then elliptical style bodies. This is true for the McNeilus Packer body.

6. **Exception:** Page 23 Section IV-2 Item l. Bid calls for: Trough style body floor, designed to utilize truck frame to directly support the refuse packer ejection plated during both compaction and ejection of loads.
Mc Neilus offers a flat floor design.
The specifications called for a trough floor design, which the City feels, is stronger and will last longer with fewer repairs and has a lower center of gravity. The trough floor design also allows for a water sump.
7. **Exception:** Page 24 Section IV-2 Item k Bid calls for: Minimum two double acting single stage packer plate cylinders. Minimum two double acting single stage carrier plate cylinders. For standardization purposes both packer and carrier plate cylinders are to utilize the same seals and seal kits.
Mc Neilus offers a different cylinder for both carrier and packer cylinders.
The specifications called for cylinders using the same seal and seal kits for standardization so that one less cylinder and cylinder seal kits have to be stocked.
This will lower operating cost and minimize the parts inventory.
8. **Exception:** Page 26 Section IV-3 Paragraph 3a. Bid calls for tipper diverter valve with auxiliary flow control of 2.5 GPM to 5 GPM at 1750 psi.
Mc Neilus offers a valve section
Current diverter valve performs as needed and is a stocked item; a valve section may not work as needed and is not a stocked item.
9. **Exception:** Page 29, Section IV-5 Paragraph 3 Bid calls for The contractor shall apply and install premium grade treated hardwood, wedge shaped sill between the truck frame and the refuse packer body.
Mc Neilus will mount body to frame with metal to metal contact, which may result in wear on frame web; this is unknown at this time.
10. Mc Neilus put a N/A for extended two year body warranty.

**Because of the items not listed on the bid as an exception and the information not presented in a very concise manner at the time of the bid I must conclude that Mc Neilus may not have listed all their exceptions on their bid submittal. An important reason for vendors listing exceptions is to show if they have a different design or product then listed on the bid. With this information the city can determine if the exceptions are acceptable or not and if changes can be made on future bids to accommodate other types of equipment and components.*

MacQueen Equipment Inc. (Heil Packer Body)

1. **Exception:**—Page 23 IV-2 Paragraph E Bid calls for—Shall utilize one hundred twenty six inches (126") of truck "CT" not including Cab interference dimension of four inches (4"). Heil company utilizes 128-132 frame CT and this may not provide the four inches of free space between the cab and packer body. There may be a problem if Heil utilizes the entire CT distance of 132 inches. This configuration would work for length but won't allow any room for serviceability.
2. **Exception:**—Page 25 IV-3 Paragraph 1a. Bid calls for: Provision for total gallon-per-minute flow of 45GPM or more and operating pressure of 2000 PSI at a maximum engine speed of 950 RPM.
Heil bid their hydraulic system at Maximum operating pressure of 2,450 PSI with a MRV setting at 2,700 PSI.
Utilizing smaller cylinders with a higher working pressure normally creates more heat, breakdown of hydraulic fluid and may have less longevity of the hydraulic system.
3. **Exception:** Page 23 Section IV-2 Item B. Bid calls for: Flat sides and roof reinforced with tubular channel sections at critical high-stress areas.
Heil utilizes an elliptical design.
Most square body packer units are shorter and require less CT distance.
4. **Exception:** Page 23 Section IV-2 Item I. Bid calls for: Trough style body floor, designed to utilize truck frame to directly support the refuse packer ejection plated during both compaction and ejection of loads.
Heil offers a flat floor design.
The specifications called for a trough floor design, which the City feels, is stronger and will last longer with fewer repairs and has a lower center of gravity. The trough floor design also allows for a water sump.
5. **Exception:** Page 24 Section IV-2 Item k Bid calls for: Minimum two double acting single stage packer plate cylinders. Minimum two double acting single stage carrier plate cylinders. For standardization purposes both packer and carrier plate cylinders are to utilize the same seals and seal kits.
Heil offers a different cylinder for both carrier and packer cylinders.
The specifications called for cylinders using the same seal and seal kits for standardization so that one less cylinder and cylinder seal kits have to be stocked.
This will lower operating cost and minimize the parts inventory.
6. **Exception:** Page 29, Section IV-5 Paragraph 3 Bid calls for The contractor shall apply and install premium grade treated hardwood, wedge shaped sill between the truck frame and the refuse packer body.
Heil will mount body to frame with metal to metal contact, which may result in wear on frame web; this is unknown at this time.

Due to the exceptions of McNeilus Manufacturing and MacQueen Equipment Inc, I recommend that ABM Equipment & Supply Company be awarded the bid.

"BIDS FOR REFUSE LOW ENTRY CAB & CHASSIS/PACKER BODIES" - P/W Solid Waste

Offl. Publ. #6585
Bids opened 10 AM, CST
March 1, 2006
Minneapolis MN

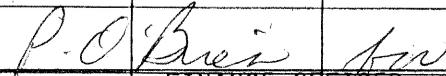
Crane Carnes Co	MacQuisen Equip. Inc	CBM Equip. + Supply LLC	McNeel's Truck mfg.
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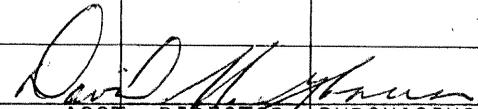
1.	Base Bid - 3 ea Cab and Chassis \$/ea	105,597.00	---	N/A	N/A		
	Mfgr/Model No.	CC LST2-40	---	---	---		
2.	Base Bid - 3 ea Packers Bodies \$/ea	---	63,277.00 15,747.00	69,966.00	53,183.00		
	Mfgr/Model No.	---	Heel PT Comm.	Leach 2R11	MN 2016		
3.	Alternate 1 - Add'l cost for extended warranty cab & chassis	1200.00	---	N/A	N/A		
4.	Alternate 2 - Add'l cost for extended warranty packer bodies	---	1300.00	242. 1989.00	"		
5.	Alternate 3 - Never Seize All Wheel and Drums with CAT Never Seize	100.00	---	N/A	"		
6.	Alternate 4 - Add'l 7 year 250,000 miles Cummins Engine Warranty	1375.00	---		"		
7.	Alternate 5 - Midwest Style Engine Speed Up	650.00	---		350.00		
8.	Alternate 6 - Frame bolts with heads outboard	100.00	---		0		
9.	Alternate 7 - Add'l 5 years Allison Transmission Warranty	1750.00	---		N/A		
10.	Alternate 8 - Add'l 5 year Hydraulic Cylinder Warranty	---	2600.00	5 yrs 2,978.00	stand		
11.	Alternate 9 - OEM Engine Repair Manual, Electronic Manual	468.75	---	N/A	N/A		
12.	Alternate 10 - Cummins LNG-C Plus 280 HP Engine	29,168.00	---	"	"		
13.	Repair Parts price per Price List No.	See List	See Enc. CD	Current	See Binder		
	Dated	1-1-02	11-05+11-06	---	2-24-06		
	% discount will be allowed	20	0	0	0		
	Bidder offers to extend prices for up to 4 add'l units	yes	yes	yes	yes		
	All required submitted attached	yes	on file	yes	yes		
	Delivery - days after receipt of order	180	90	60-120	60-90		
	Cash discount - % 20 days	---	0	0	N/A		

"BIDS FOR REFUSE LOW ENTRY CAB & CHASSIS/PACKER BODIES" - P/W Solid Waste

Offl. Publ. #6585
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We, the undersigned, hereby certify that the above bids were publicly opened and read aloud:


FINANCE OFFICER


ASST. DIRECTOR, PURCHASING