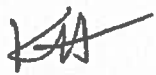

MEMORANDUM

TO: STEPHEN GIESBRECITT, MANAGER
FROM: KARL HAGERMAN, MOTOR POOL 
SUBJECT: SANITATION RECYCLING TRUCK – AWARD RECOMMENDATION
DATE: 4/1/2015
CC: BOROUGH ASSEMBLY
DEBBIE THOMPSON, CLERK
FILE

After the final approval of Ordinance #2015-04, which approved an expense for purchase of a 16 cubic yard collection truck, I solicited pricing from the National Joint Purchasing Alliance (NJPA) for this truck under NJPA contract #060612-ESG.

The NJPA is a national organization that performs competitive bidding of a multitude of equipment and supplies to benefit public entities by reducing the time and expense of separate bidding procedures for each purchase while meeting public requirements for competitive solicitation. The Borough Code allows use of this type of service by way of Article 4.04.040.G.

The budget for this purchase was approved by the Assembly at \$210,000. The price received from Bob's Services of Anchorage, Alaska – utilizing the NJPA pricing has been quoted as \$207,476.23.

The truck will be a Heil 16 cubic yard, side loading collection body mounted to an International chassis with an optional right hand, stand up driving station. The truck will be capable of collecting automated carts from 32 gallons to 300 gallons. Upon placement of the order a more definitive timeline for the truck's deliver can be offered. At this time, a build and delivery period of 180 days is estimated.

The Motor Pool recommends award of this purchase to Bob's Services of Anchorage for the amount of \$207,476.23. The funding is available in the motor pool vehicle replacement fund.

Attached is the quote from the vendor and additional information regarding the Heil body offered in the quote.

Thank you for your consideration.

Sales Order



2009 SPAR AVENUE
ANCHORAGE, ALASKA 99501

SHOP (907) 276-3221 - FAX (907) 276-1972

Order Number: 0048926

Order Date: 3/24/2015

Salesperson: 0600

Customer Number: 00-COP

Sold To:

Petersburg Borough
PO Box 329
303 South 2nd
Petersburg, AK 99833

Ship To:

Petersburg Borough
PO Box 329
303 South 2nd
Petersburg, AK 99833

(907) 772-4525

Confirm To:

Customer P.O.	Ship VIA	Comment		
		Rapid Rail		
Item Number	Description	Description	Price	Amount
*CHASSIS	1.00		88,519.43	88,519.43
		dual drive International chassis rh stand		
*RAPID RAIL 16	1.00		116,905.00	112,228.80
		HEIL 16 YARD RAPID RAIL NJPA PRICING		
*FREIGHT	1.00	freight Heil to Petersburg	6,728.00	6,728.00
		DRIVE AWAY FREIGHT FROM FT PAYNE TO SEATTLE DOCK, AML BARGE SERVICE TO PETERSBURG		

Net Order:	207,476.23
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
Order Total:	207,476.23



Rapid Rail®

Continuous Pack Automated Side Loader Product Specifications

Performance Specifications

Unit Capacity	up to 1,600 lbs.
Lift Cycle Time (complete)*	8 seconds
Lift Reach	8 ft.
Connection	up to 700 lbs. per yd ³
Working RPM (operate-in-gear-at-tilt)	750 (arm) & 1,500 (packer)
*Complete cycle time defined as pick, dump, return and release	

Cylinders Specifications

Body Cylinders	Type	Bore x Stroke
Tailgate Raise	(2) Double acting	in. 3.0 x 18.5
		mm 76 x 470
Packing Blade	(2) Double acting	in. 5.0 x 42.0
		mm 127 x 1066
Body Hoist	(2) Double acting	in. 4.0 x 55.5
		mm 102 x 1407
LIFT CYLINDERS		
Gitp	(1) Double acting	in. 3.0 x 8.0
		mm 76 x 203
Raise	(1) Double acting	in. 3.0 x 8.0
		mm 76 x 203
Dump	(1) Double acting	in. 3.0 x 18.0
		mm 76 x 458
Reach	(1) Double acting	in. 1.75 x 11.25
		mm 44 x 1810

Hydraulic Specifications

PUMP	Operate-In-Gear At-Idle (standard)
Type	Front mount Tandem vane
Maximum Operating Pressure	2,500 psi (17.238 MPa)
Working RPM	1,500 RPM (packer)
	750 RPM (arm)
Flow @ Working RPM	33.17 GPM (packer/arm)
Oil Reservoir	Chassis frame mounted
Gross Capacity	50 gallons (246 liters)
Filters	3 micron return line with magnet, 140 micron mesh suction strainer
VALVES	
Shift	Suction line
Lift and Packing Control	Soft-act electric over hydraulic
Hoist and Tailgate Control	Electric over hydraulic

Automated Lift Specifications

Lift load capacity	1,600 lbs.
Cycle time	8 seconds
Reach	8 ft.
Ground clearance	20 in. from ground to bottom of grabber arms (based on a 42 in. chassis rail height)
Weight*	1,950 lbs.
Controls	Electric over hydraulic
* Weight includes standard 6000 gallon gearbox	

Chassis Requirements*

	15 yd ³	20 yd ³	25 yd ³	24 yd ³	24 yd ³	26 yd ³	30 yd ³	32 yd ³
Axis								
Min. GVWR ⁽¹⁾	33,000	35,000	37,000	41,000	41,000	45,000	50,000	52,000
Min. GAWR	12,000	14,000	14,000	15,000	15,000	16,000	18,000	18,000
	front	rear						
Usable CACT	21,000	21,000	23,000	28,000	28,000	30,000	34,000	34,000
G.O.E. Wheelbase	134 CA	157 CA	157 CA	189 CA	173 CT	173 CT	185 CT	185 CT
Conventional Cab Wheelbase	161 in.	182 in.	182 in.	213 in.	197 in.	197 in.	210 in.	220 in.
Min. Platform	206 in.	227 in.	227 in.	258 in.	242 in.	242 in.	255 in.	255 in.
	160 in.	204 in.	204 in.	215 in.	234 in.	234 in.	246 in.	256 in.

*OPERATE-IN-GEAR uses requires 325 ft. lbs. of fuel torque available at idle, with idle speed set between 650 and 750 RPM. Recommended 160 or 200 amp alternator.

(1) Front axle min. GAWR requirements may be reduced up to 2,000 lbs. for chassis with actual, unladen base front axle weights of 0,000 lbs. or less.

Body Specifications

	16 yd ³	20 yd ³	22 yd ³	24 yd ³	26 yd ³	30 yd ³	32 yd ³
Body Capacity	16	20	22	24	26	30	32
	yd ³	yd ³	yd ³	yd ³	yd ³	yd ³	yd ³
Hopper Capacity	12.2	15.3	16.8	18.4	19.9	22.9	24.5
	yd ³	yd ³	yd ³	yd ³	yd ³	yd ³	yd ³
Overall Length*	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	ft.	ft.	ft.	ft.	ft.	ft.	ft.
Overall Length (Tailgate Raised)*	19.4	218	239	248	269	281	293
	mm	4928	5537	6071	6289	6833	7137
Overall Width	22.4	248	254	278	284	309	321
	mm	5690	6299	6452	7081	7214	7649
Overall Height Above Frame	96	98	98	98	98	98	98
	mm	2438	2438	2438	2438	2438	2438
Overall Height Above Frame	97	97	97	97	97	109	109
	mm	2464	2464	2464	2464	2769	2769
Loading Still Height Above Frame	68	68	68	68	68	68	68
	mm	1727	1727	1727	1727	1727	1727
Mounted Weight (coule ready)	10,400	11,000	11,200	12,000	12,200	13,200	13,600
	lbs.	4090	5081	5444	5534	5988	6170
	kg						
* Including 20 in. for lift mast							

All dimensions, specifications and components are subject to change at the manufacturer's sole discretion at any time without notice. Data published herein is for information purposes only and shall not be construed to warrant suitability of the unit for any particular purpose, as performance may vary with the conditions encountered. The only warranty is our standard written Warranty Statement for this product at the time of shipment.



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888 FOR HEIL (888 367 4345) • Fax: 423 855 3478
www.heil.com
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FORM 8510-000001-042110

CONTACT YOUR LOCAL DEALER

Rapid Rail[®]

The Original is now even better!

No one has more experience with automated refuse collection than Heli, and no product has a longer track record than Heli's Rapid Rail automated side loader. More than 30 years after its introduction, the Rapid Rail continues to be the standard to which all others are compared. And it's no wonder. Rapid Rail's lengthy reach, fast cycle times, continuous packing, and solid structural design make it a highly productive and efficient choice for automated collection for large and small fleets alike.

Our unique lift geometry provides a direct line to the hopper, without the "kick-out" of some other systems, so the Rapid Rail can pick up where other vehicles can't. Add to that an 8-foot reach, a 1,600-pound lift capacity, and an 8-second cycle time, and you've got a fast and efficient vehicle that can collect over 1,000 homes per day.

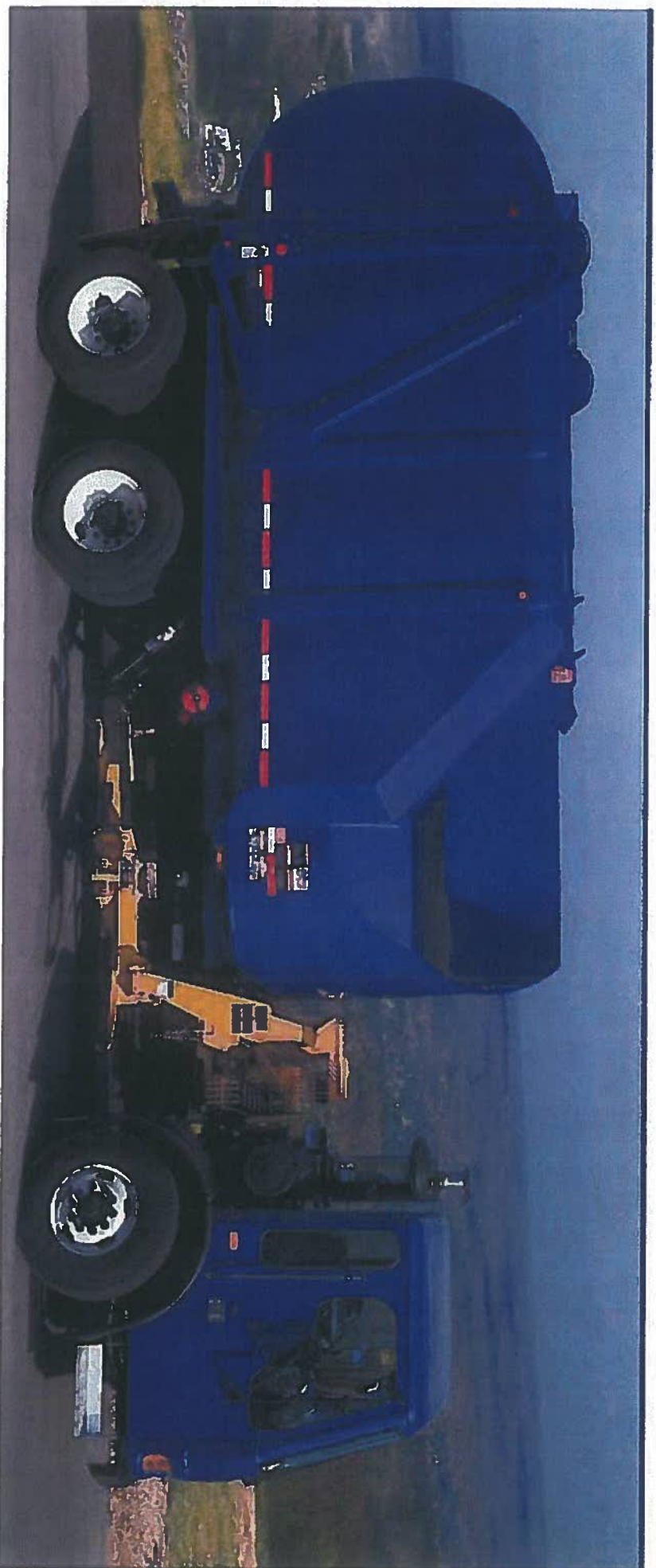
The Rapid Rail's patented paddle packer continuously sweeps the 3 cubic yard hopper, boosting productivity because the operator does not have to pause between stops to activate the packer. Instead, the operator can continue to collect his route while the paddle

packer cleans the hopper. The continuous packer design also provides added driver safety and convenience because the operator doesn't have to clean behind the packer blade.

With 30 years of proven performance, the Rapid Rail offers the toughest body in the industry. We use high tensile steel throughout for superior strength without unnecessary weight. The body also features a full radius at all corners for easier off-loading of refuse, ensuring the load is completely discharged each time.

The Rapid Rail is available in 8 different body sizes from 16 to 32 cubic yards. Single axle or tandem axle configurations provide the most flexibility of any automated system. All models are fit to dump.

To learn more about adding the Rapid Rail to your fleet, contact your Authorized Heli Dealer. To find the Dealer nearest you, visit www.heli.com.





Unique Features

The Rapid Rail® was specifically designed with unique features, based on customer input, that make it durable, easy to maintain, and smooth to operate.

- **Unique Lift Geometry** — Because the Rapid Rail's lift geometry provides a direct line to the hopper, there is no "kick-out" as seen with other systems, enabling the Rapid Rail to get in and out of tight spaces easily.
- **Quiet, Fuel-Efficient Operation** — Hell's Operate-In-Gear-at-Idle System comes standard on the Rapid Rail. It is designed to help you finish routes up to 20-percent faster, saving up to one gallon of fuel per hour while reducing wear on the lift assembly, chassis, engine, and transmission. Plus, it greatly reduces noise — a benefit to operators and customers alike.
- **Easily Accessible Hydraulics** — Hydraulic cylinders are installed in Service Smart™ locations to make them readily accessible from the ground for easy maintenance. The twin packer cylinders are located under the body to help protect them from refuse contamination. And, while other bodies need four cylinders to raise, lower, and lock the tailgate, the Rapid Rail uses only two.
- **No Packer Panel** — The Rapid Rail's patented packer design continuously sweeps the hopper and packs the load, so the operator can keep collecting without stopping to cycle the packer. Because there is no packer panel to slide into the body, there are also no shoes, guide tracks, or guide rails to wear out — and you never have to clean out behind the packer.
- **Enhanced Visibility** — The Rapid Rail offers outstanding visibility for operators, enabling them to drive from the preferred left-hand side of the truck, and provides flexibility in selecting a cab style, either cab-over or conventional style.

Rapid Rail® Automated Lift

The Rapid Rail lift is a proven, efficient, and reliable automated lift which dumps using a straight up, vertical motion. The lift can efficiently handle containers from 30 gallons up to 300 gallons, making it an ideal solution for commercial and residential applications.

Service Smart™ Design

The Rapid Rail features our Service Smart™ design, which simplifies routine maintenance and keeps you away from the shop and out servicing your customers — and making money. Features include a new soft-shift valve, proximity switches, and a cable carrier that houses all the arm's hydraulic hoses.

Rapid Rail® Grabber Gears

Made from specially formulated high-strength, low-alloy steel, the Rapid Rail's superior hardened grabber gears virtually eliminate gear wear. The gears are splined to the grabber shafts and can be cycled up to 1,000,000 times with virtually no evidence of wear.

Patented Paddle Packer

The Rapid Rail's patented paddle packer continuously sweeps the hopper, eliminating the need to stop and pack the load as well as the need to clean out debris from behind the packer. This keeps the hopper clear, free of bridged loads and ready to accept container contents.

