

## COUNCIL WORKSHOP ITEM

**ITEM:** Purchase of Double Drum Articulated Vibratory Asphalt Compactor and Trailer  
**DATE:** September 16, 2004  
**PREPARED BY:** Stan Balicki, Assistant Director of Public Works – Operations  
**SUBMITTED BY:** David H. Barber, P.E., Director of Public Works  
**PURPOSE:** Authorize Purchase  
**BID AMOUNT:** **\$35,399.00** **ACCOUNT:** 530.342.0000.5836  
**BUDGET AMOUNT:** **\$48,801.00**

**DISCUSSION:**

The Fleet Replacement Plan adopted by the Village Council as part of the fiscal 2004/05 budget includes replacement of the Public Works Department’s asphalt compactor and trailer. The unit being replaced is a 1989 Caterpillar CB-224B. Public Works uses the compactor as part of its in-house street maintenance operations including approximately 5,000 square yards of pavement patching annually. The compactor may also be used in the maintenance of gravel shoulders on the 55 miles of unimproved streets in Downers Grove or in the restoration of asphalt driveway approaches following culvert pipe replacement, for instance.

Requests for Proposals (RFPs) were sent to seven (7) Chicago-area equipment dealers August 20, 2004. The equipment dealers represent manufacturers such as Caterpillar, Bomag, Ingersoll-Rand, Hamm, and Dynapac. An advertisement of the RFP was also published. Five proposals were received by the due date of September 7, 2004 with pricing results as follows:

Vendor	Roland Machinery Company	Patten Industries, Inc.	Finkbiner Equipment Company	Casey Equipment Company, Inc.	West Side Tractor Sales
Make/Model Proposed	Hamm HD13	<i>Caterpillar CB-334E</i>	Ingersoll-Rand DD-30	Dynapac CC142	Bomag BW135AD
Cash Price	\$38,106.00	<b>\$41,399.00</b>	\$42,450.00	\$39,750.00	\$46,400.00
Trade-In Allowance	(\$4,000.00)	<b>(\$6,000.00)</b>	(\$6,500.00)	(\$2,500.00)	(\$6,000.00)
<b>Total Net Bid Price</b>	\$34,106.00	<b>\$35,399.00</b>	\$35,950.00	\$37,250.00	\$40,400.00

A review of the proposals indicates that the Caterpillar compactor is the lowest priced unit that meets the Village’s specifications. The Hamm compactor proposed by Roland Machinery, though being the lowest priced unit, failed to meet 14 of the 59 total specifications set forth by the Village. For example, the Hamm compactor uses an air-cooled engine while a liquid cooled engine was specified. In the working environment of compacting 300-degree asphalt, a liquid cooled engine will do a better job of keeping engine temperature low and helping reduce component wear improving performance and reliability. The Hamm unit also did not offer visual indicators for hydraulic fluid or engine coolant, or even a fuel gauge. These features are important because they improve serviceability. The Caterpillar unit meets all of the

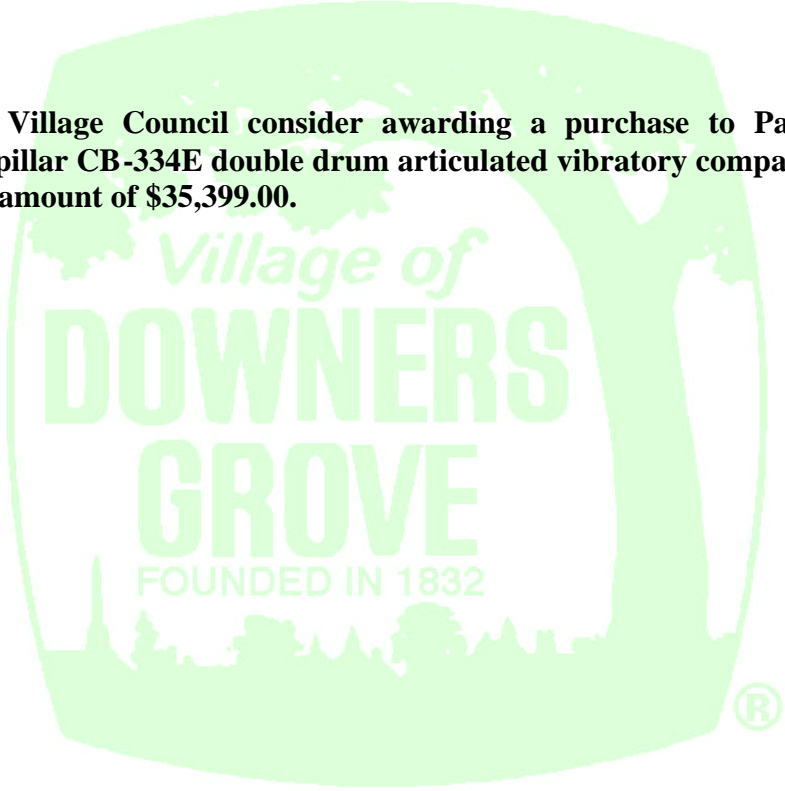
specifications as set forth and, in staff's opinion, provides a better overall value for the additional \$1,293.00 over the Hamm unit.

**ATTACHMENTS:**

- 1) Bid Forms for Roland Machinery, Patten Industries, Finkbiner Equipment, Casey Equipment and West Side Tractor Sales
- 2) Caterpillar CB-334E product information

**RECOMMENDATION:**

Staff recommends that the Village Council consider awarding a purchase to Patten Industries, Inc. for one Caterpillar CB-334E double drum articulated vibratory compactor and trailer as specified in the amount of \$35,399.00.



### IV. BID CONTRACT FORM

The undersigned, having examined the specifications and all conditions affecting the specified project, offer to furnish all services, labor, and incidentals for the price below.

I (We) propose to complete the following project as more fully described in the specifications for the following:

<b>ONE (1) NEW CURRENT MODEL DOUBLE DRUM ARTICULATED VIBRATORY COMPACTOR WITH TRAILER</b>			
Unit Bid:	2004	HAMM	HD13
	Year	Make	Model
	<b>CASH PRICE:</b>		\$ 38,106.00
	<b>Less Trade-in offer (From Trade-in Bid Sheet):</b>		\$ 4,000.00
	<b>TOTAL NET BID:</b>		\$ 34,106.00

Where did you obtain your copy of this bid document?

- Mailed from Village, currently on Village's Bidders List
- PDF from the Village's internet web site
- Other \_\_\_\_\_

If it is the Contractor's intention to utilize a subcontractor(s) to fulfill the requirements of this contract, the Village must be advised of the subcontractor's company name, address, telephone and fax numbers, and a contact person's name at the time of bid submittal.			
Will you be utilizing a subcontractor?	YES		NO
If yes, have you included all required information with your bid submittal?	YES		NO

- OR -

NO BID - Keep our company on your Bidders List	
	Signature Date
NO BID - Remove our company from your Bidder List	
	Signature Date

### IV. BID CONTRACT FORM

The undersigned, having examined the specifications and all conditions affecting the specified project, offer to furnish all services, labor, and incidentals for the price below.

I (We) propose to complete the following project as more fully described in the specifications for the following:

<b>ONE (1) NEW CURRENT MODEL DOUBLE DRUM ARTICULATED VIBRATORY COMPACTOR WITH TRAILER</b>			
Unit Bid:	2004	CATERPILLAR	CB-334E
	Year	Make	Model
	CASH PRICE:		\$ 41,399.00
	Less Trade-in offer (From Trade-in Bid Sheet):		\$ - 6,000.00
	TOTAL NET BID:		\$ 35,399.00

Where did you obtain your copy of this bid document?

- Mailed from Village, currently on Village's Bidders List
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- Other \_\_\_\_\_

If it is the Contractor's intention to utilize a subcontractor(s) to fulfill the requirements of this contract, the Village must be advised of the subcontractor's company name, address, telephone and fax numbers, and a contact person's name at the time of bid submittal.			
Will you be utilizing a subcontractor?	YES		NO
If yes, have you included all required information with your bid submittal?	YES		NO

- OR -

NO BID - Keep our company on your Bidders List	Signature _____ Date _____
NO BID - Remove our company from your Bidders List	Signature _____ Date _____

### IV. BID CONTRACT FORM

The undersigned, having examined the specifications and all conditions affecting the specified project, offer to furnish all services, labor, and incidentals for the price below.

I (We) propose to complete the following project as more fully described in the specifications for the following:

<b>ONE (1) NEW CURRENT MODEL DOUBLE DRUM ARTICULATED VIBRATORY COMPACTOR WITH TRAILER</b>			
Unit Bid:	2004	INGRESSOLL RAND	DD-30
	Year	Make	Model
		CASH PRICE:	\$ 42,450.00
		Less Trade-in offer (From Trade-in Bid Sheet):	\$ 6,500.00
		<b>TOTAL NET BID:</b>	<b>\$ 35,950.00</b>

Where did you obtain your copy of this bid document?

- Mailed from Village, currently on Village's Bidders List
- PDF from the Village's internet web site
- Other \_\_\_\_\_

If the Contractor intends to utilize a subcontractor(s) to fulfill the requirements of this contract, the Village must be advised of the subcontractor's company name, address, telephone and fax numbers, and a contact person's name at the time of bid submittal.			
Will you be utilizing a subcontractor?	YES		NO
Have you included all required information with your bid submittal?	YES		NO

- OR -

I (We) hereby certify that the information provided in this bid is true and correct.	Signature: _____ Date: _____
I (We) hereby certify that the information provided in this bid is true and correct.	Signature: _____ Date: _____

### IV. BID CONTRACT FORM

The undersigned, having examined the specifications and all conditions affecting the specified project, offer to furnish all services, labor, and incidentals for the price below.

I (We) propose to complete the following project as more fully described in the specifications for the following:

<b>ONE (1) NEW CURRENT MODEL DOUBLE DRUM ARTICULATED VIBRATORY COMPACTOR WITH TRAILER</b>			
Unit Bid:	<u>2004</u>	<u>Dynapac</u>	<u>CC142 + TRAIL King TK124</u>
	Year	Make	Model
		CASH PRICE:	\$ <u>39,750<sup>00</sup></u>
		Less Trade-in offer (From Trade-in Bid Sheet):	\$ <u>2,500</u>
		TOTAL NET BID:	\$ <u>37,250<sup>00</sup></u>

**Where did you obtain your copy of this bid document?**

- Mailed from Village, currently on Village's Bidders List
- PDF from the Village's internet web site
- Other \_\_\_\_\_

If it is the contractor's intention to utilize a subcontractor(s) to fulfill the requirements of the contract, the Village must be advised of the subcontractor's company name, address, telephone and fax numbers, and a contact person's name at the time of bid submittal.			
Will you be utilizing a subcontractor?	YES	NO	
YES, have you included all required information with your bid submittal?	YES	NO	

- OR -

NO BID - I keep my company on your bidder's list.	Signature Date
NO BID - I remove my company from your bidder's list.	Signature Date

### IV. BID CONTRACT FORM

The undersigned, having examined the specifications and all conditions affecting the specified project, offer to furnish all services, labor, and incidentals for the price below.

I (We) propose to complete the following project as more fully described in the specifications for the following:

<b>ONE (1) NEW CURRENT MODEL DOUBLE DRUM ARTICULATED VIBRATORY COMPACTOR WITH TRAILER</b>		
Unit Bid: <u>2004</u>	<u>Bomag</u>	<u>BW 135 Ad</u>
Year	Make	Model
	CASH PRICE:	\$ 46,400
	Less Trade-in offer (From Trade-in Bid Sheet):	\$ 6,000
	<b>TOTAL NET BID:</b>	<b>\$ 40,400</b>

**Where did you obtain your copy of this bid document?**

- Mailed from Village, currently on Village's Bidders List
- PDF from the Village's internet web site
- Other \_\_\_\_\_

If it is the Contractor's intention to utilize a subcontractor(s) to fulfill the requirements of this contract, the Village must be advised of the subcontractor's company name, address, telephone and fax numbers, and a contact person's name at the time of bid submittal.		
Will you be utilizing a subcontractor?		NG
Have you included all required information with your bid submittal?		NG

- OR -

NO BID - Keep our company on your Bidders List		Signature		Date
NO BID - Remove our company from your Bidders List		Signature		Date

**CB-334E**

Vibratory Asphalt  
Compactor

**CB-335E**

Combi Asphalt  
Compactor



**Cat® 3024C Diesel Engine**

Gross power	37.3 kW	50 hp
Drum width	1300 mm	51"

**Operating Weight (with ROPS)**

CB-334E	3960 kg	8,731 lb
CB-335E	3670 kg	8,092 lb