



MANAGER'S MEMO ITEM

ITEM: Semi-Tractor with Dump Trailer and Detachable Gooseneck Trailer
WORKSHOP DATE: July 26, 2005
PREPARED BY: Stan Balicki, Assistant Director of Public Works – Operations

BID AMOUNT:	<u>\$151,359</u>	ACCOUNTS:	<u>001.349.0000.5831</u>
			<u>530.343.0000.5836</u>
BUDGET AMOUNT:	<u>\$30,000 (001.349)</u>		
	<u>\$103,175 (530.343)</u>		

PURPOSE: To recommend the purchase of one (1) 2006 Sterling LT9500 semi-tractor, one (1) 2005 HilBilt Mongoose dump trailer and one (1) 2006 Towmaster T70 detachable gooseneck trailer in the amount of \$151,359.

BACKGROUND:

The Fleet Replacement Plan adopted by the Village Council as part of the fiscal year 2005/06 budget includes the scheduled replacement of one of the Public Works Department's 5-ton dump trucks. The truck being replaced (Unit 253) is a 1989 model year Ford F800 dump truck with a snowplow and salt spreader. Staff is proposing to upgrade this vehicle with a heavier-duty chassis in a semi-tractor configuration along with a dump trailer and detachable gooseneck trailer. The expected service life of the new vehicle is 20 years compared to a typical 5-ton truck service life of 16 years.

The semi-tractor configuration and trailers proposed will provide greater versatility, new capabilities and reduce wear and tear on off-road equipment such as the Department's three wheel loaders and backhoes. Presently, wheel loaders and backhoes can only be driven to job sites, which contributes to brake wear, tire wear and loose suspension and steering. The detachable gooseneck trailer will enable hauling of this equipment. Further, this trailer has the ability to carry several smaller pieces of equipment simultaneously such as the asphalt compactor, paving machine and skid-steer loader thereby reducing the overall number of trucks and trailers needed at a particular job site. The dump trailer will afford more efficiency in hauling snow out of the downtown and excavating debris to the landfill. Fewer trips will also be needed to pick up materials such as stone, topsoil and asphalt reducing the staff time involved. For example, a typical 5-ton truck hauls about seven cubic yards of material and a 10-ton truck hauls 10-12 cubic yards of material, while the proposed dump trailer hauls 24 cubic yards of material.

A Call for Bids (CFB) was sent to twelve (12) Chicago-area truck dealers June 10, 2005 and published in accordance with established Village policy. The truck dealers on the Village's bid list represent manufacturers such as Sterling, Freightliner, Peterbilt, Mack, Hilbilt, Towmaster and Load King. Five (5) bids were received by the due date of June 27, 2005 with complete bid results shown in the attached bid tabulation.

Staff's review of the bids indicates that the Sterling LT9500 chassis and HilBilt Mongoose dump trailer as bid by TransChicago Truck Group, and the Towmaster T70 detachable gooseneck trailer as bid by Finkbiner Equipment are the lowest priced units meeting the Village's specifications. Although the total price of the Freightliner FLD120 and dump trailer bid by

TransChicago Truck Group was \$315 less than the Sterling unit, it failed to meet specifications set forth by the Village relative to transmission controls, fluid access points, exhaust system configuration, rear axle ratio and the trailer hitch. The Freightliner FLD120 also has a wheelbase that is two feet longer than the Sterling, which negatively affects its turning radius. Patten Industries submitted a bid for the Towmaster T70 trailer that was \$5,964 less than Finkbiner. However, Patten Industries did not meet the Village's specification for the spacing of the crossmembers – a very important structural feature. Patten Industries proposed 24" spacing of the trailer crossmembers while the Village's specifications required 12" spacing.

BUDGET IMPLICATIONS:

BID AMOUNT: \$151,359	ACCOUNTS: 001.349.0000.5831
	530.343.0000.5836
BUDGET AMOUNT: \$30,000 (001.349)	
\$103,175 (530.343)	

The bid results as shown exceed the budget for this purchase by \$18,184. Considered separately on this Council Workshop Agenda is the scheduled replacement of one of the Public Works Department's three wheel loaders (Unit 255). The low bid meeting specifications for Unit 255's replacement is under budget by \$21,810. Staff is requesting the use of funds available from the purchase of the replacement wheel loader to offset the over-budget amount on this purchase (Unit 253). In doing so, the Equipment Replacement Fund will track under budget for these two purchases combined by \$3,626.

ATTACHMENTS:

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- Bid Tabulation
 - Product information sheets for Sterling, HilBilt and Towmaster

STAFF RECOMMENDATION:

Staff recommends that the Village Council award the purchase of one (1) 2006 Sterling LT9500 semi-tractor and one (1) 2005 HilBilt dump trailer to TransChicago Truck Group of Elmhurst in the amount of \$119,409 and one (1) 2006 Towmaster T70 detachable gooseneck trailer to Finkbiner Equipment Co. of Burr Ridge in the amount of \$31,950.

REQUESTED COURSE OF ACTION:

Staff recommends that this item be placed on the Village Council's Consent Agenda for approval on August 2, 2005.

Semi-Tractor with Dump Trailer and Detachable Gooseneck Trailer Recommendation - July 26, 2005						
	TransChicago Truck Group	TransChicago Truck Group	Freeway Ford-Sterling Truck Sales, Inc.	Patten Industries, Inc.	Finkbiner Equipment Co.	
	<i>Elmhurst, IL</i>	<i>Elmhurst, IL</i>	<i>Lyons, IL</i>	<i>Elmhurst, IL</i>	<i>Burr Ridge, IL</i>	
Semi-Tractor Make/Model Proposed	Sterling LT9500	Freightliner FLD120 Severe Duty	Sterling LT9513	NO BID	NO BID	
Cash Price	\$ 93,000.00	\$ 92,685.00	\$ 83,799.00	\$ -	\$ -	
Trade-In Allowance 1989 Ford F800 Dump Truck w/Plow and Salt Spreader	\$ (8,300.00)	\$ (8,300.00)	\$ (7,150.00)	\$ -	\$ -	
Dump Trailer Make/Model Proposed	HilBilt Mongoose	HilBilt Mongoose	HilBilt Mongoose	NO BID	NO BID	
Cash Price	\$ 34,709.00	\$ 34,709.00	\$ 47,054.00	\$ -	\$ -	
Detachable Gooseneck Trailer Make/Model Proposed	Towmaster T70 DTG	Towmaster T70 DTG	Load King 352	Towmaster T70 DTG	Towmaster T70 DTG	
Cash Price	\$ 33,000.00	\$ 33,000.00	\$ 41,457.00	\$ 25,986.00	\$ 31,950.00	
Total (Including Trade-In Allowance and Purchase of Cab/Chassis and Dump Trailer from TransChicago, and Gooseneck Trailer from Finkbiner)	\$ 119,409.00	\$ 152,094.00	\$ 165,160.00	\$ 25,986.00	\$ 31,950.00	
Specifications Met	134	131	128	32	34	
Specifications Not Met	2	5	8	2	0	
Total Number of Specifications (1)	136	136	136	34	34	
Note:	1) Number of Specifications for Patten Industries and Finkbiner Equipment relate only to the detachable gooseneck trailer.					



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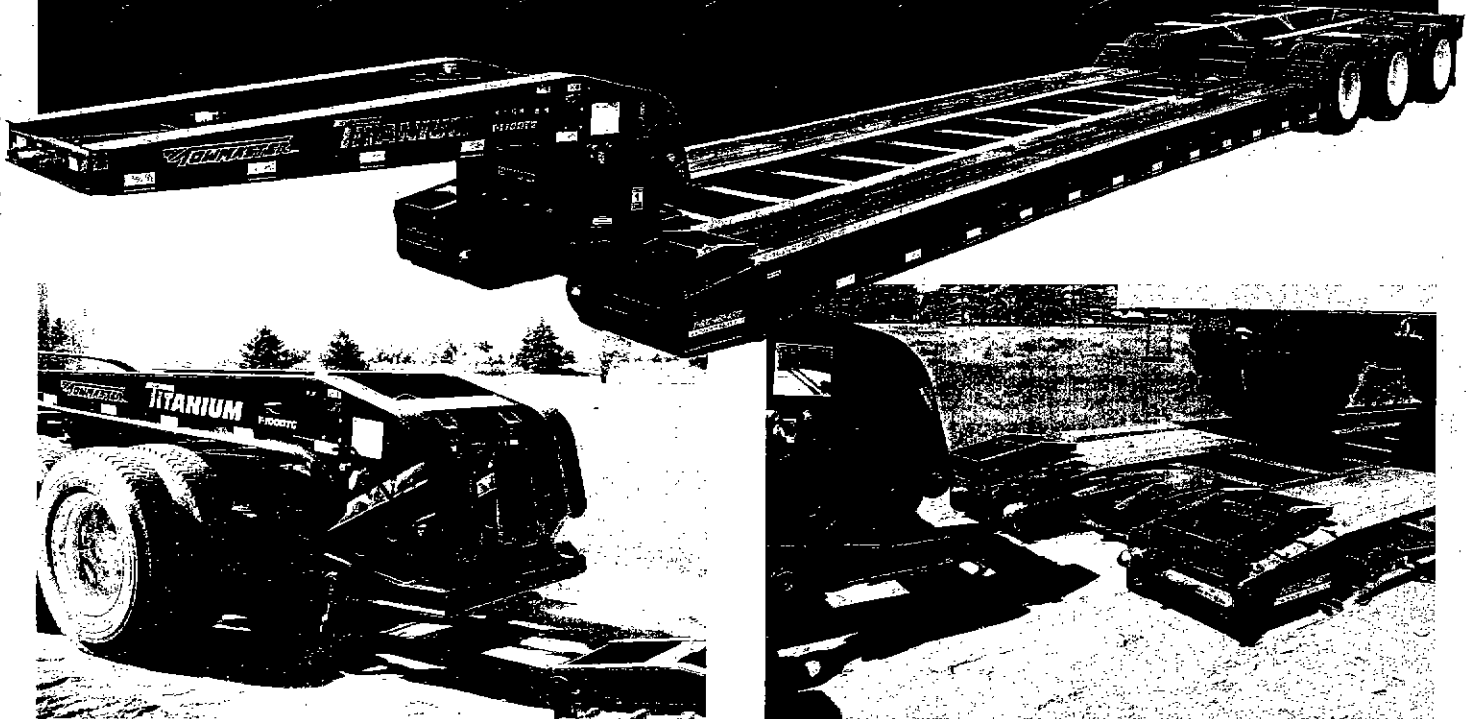
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INTRODUCING THE ALL-NEW 2004

TITANIUM SERIES

DETACHABLE GOOSENECK TRAILER

T-70DTG (35-ton) T-100DTG (50-ton) T-110DTG (55-ton)



The All-New Titanium Series detachable gooseneck by Towmaster Trailers.

This new state-of-the-art series is designed for heavy-duty use, easy maintenance, durability and fast loading and unloading. It features a non-ground bearing gooseneck, T1 steel construction and other high tech features you'd want in a detachable. Most importantly, it is 100% Towmaster built and U.S.A. made!

- State-of-the-art modular T-1 steel frame construction
- Non-ground bearing scraper profile gooseneck
- 10-inch deep crossmembers with 4-inch wide crossmember flanges
- 5-position load blocks for 5-position ride height
- Standard open boom well
- Self-aligning positive mechanical lock
- State-of-the-art hydraulic system
- Sealed-beam modular wiring harness
- Standard with Air suspension (spring suspension available)



TOWMASTER TRAILERS
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Employee Owned
Employee Pride
U.S.A. Made!