AGENDA REPORT

Meeting Date: June 16, 2009

Item Number: F-13

To: Honorable Mayor & City Council

From: Rene Biadoma, Fleet Manager

Subject: APPROVAL OF A PURCHASE ORDER IN THE AMOUNT OF $380,994.08 TO MUNICIPAL MAINTENANCE EQUIPMENT FOR THE PURCHASE OF ONE TRUCK-MOUNTED JET/VACUUM COMBINATION MACHINE

Attachment: 1. Bid Proposal for Bid 09-35 from the Municipal Maintenance Equipment

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RECOMMENDATION

Staff recommends that the City Council move to: 1) Accept bid proposal from Municipal Maintenance Equipment (MME) to provide one Truck-mounted Jet/Vacuum Combination machine, and 2) Approve a purchase order in the amount of $380,994.08 to MME for purchase of the subject wastewater maintenance equipment.

INTRODUCTION

This report is a request for City Council approval to accept the bid proposal (Attachment 1) from MME to provide one truck-mounted jet/vacuum combination machine, and approve issuance of a purchase order in the amount of $380,994.08 to MME for the purchase of subject sewer line maintenance equipment as replacement for an existing water-jet cleaning machine assigned to the Department of Public Works & Transportation (PW&T) Wastewater Maintenance Services.

DISCUSSION

The below-listed piece of equipment is assigned to the PW&T and being utilized by the wastewater maintenance crew in cleaning sewer line infrastructure and for unclogging blockages in sewer pipes. Following the annual evaluation of the City vehicle and equipment fleet, both the Fleet Services and wastewater staffs have determined that this machine has exceeded its established replacement criteria.

ID #	YEAR/MAKE/MODEL	PROGRAM NO. / DESCRIPTION
796	1986 / Ford C8000 with Vactor High-pressure Water Jetter Machine	8405401 / Wastewater Maintenance

After a joint deliberation between staffs, it was decided that the above 23-year-old piece of equipment be replaced with a truck-mounted jet/vacuum combination machine. The replacement machine is needed to ensure that the City has relevant and up-to-date equipment in its fleet. In order to comply with the South Coast Air Quality Management District's (AQMD) Rule 1196, which governs heavy-duty on-road vehicles, the replacement truck chassis engine must be alternative-fuel-powered. In addition to its ability to clean and unclog sewer lines, this new machine must be able to pick up solid debris from storm drain catch basins and perform hydro-excavation. More importantly, this vacuum-equipped machine must enable the City to comply with the State Water Resources Control Board's Statewide General Waste Discharge Requirements for handling incidents involving Sanitary Sewer Overflow. With these various parameters in mind and using the information gathered by staff during the prequalification process, Bid 09-35 was compiled and published in the City's bid website.

Bid 09-35 garnered three qualified proposals and one "no-bid" letter. Summary of the three proposals is as follows:

Description / Bid Specification	MME	Haaker Equipment Company	Plumbers Depot, Inc.
Combination Vacuum/Jet Machine w/ 5CY Hopper	Vac-Con Model VPD3650/HN1000	Vactor 2105	Gap Vax Model MC1005
Truck Chassis with CNG-powered Engine	Freightliner Model M2112 w/ Cummins ISL-G Engine	Crane Carrier w/ Cummins 8.9L ISLG	Navistar w/ Phoenix N6 7.6L ESI 0326
Base Bid Price Proposal	$336,186.00	$373,268.00	$379,190.00

After conducting a comprehensive review of the proposals and hands-on evaluations of the various equipment offerings, members of the evaluation committee determined that the proposal submitted by MME offers the most advantage to the City. Therefore, staff recommends that the City Council accepts the bid proposal from MME and approve issuance of a purchase order to MME. Staff also recommends the addition of four upgrades, which were not included in the specification; however, staff believes that adding these features would significantly enhance the machine's operational capability. Summary of this purchase is as follows:

Item	Description	Price
1.	One (1) new 2009 5-Cubic Yard Truck-mounted Combination Jet Rodder/Vacuum Machine as specified in the City of Beverly Hill's bid document, Bid 09-35	$336,186.00
	Upgrades	
2.	9 Cubic Yard debris body in lieu of 5 Cubic Yard originally specified	$2,000.00
3.	Lakos Water Separator	$1,300.00
4.	400 GPM Wastewater Pump-off System	$7,800.00
5.	Drain off system – to include plumbing which is routed from the back of the truck to the front with gate valve and	$1,450.00

quick disconnect cam lock fittings.

Subtotal	$348,736.00
Tax (9.25%)	$32,258.08.
Total:	**$380,994.08**

FISCAL IMPACT

In conjunction with this purchase, Adrianus Resources, Inc, a consulting services working for the City, has submitted a subvention request to the AQMD to avail the City possible use of Clean Transportation Funding of the MSRC's Local Match Program. If this grant request is approved, the grant funding will help offset the extra cost associated with the acquisition of this clean-energy vehicle. The acquisition of this vehicle will be the first Compressed-Natural-Gas-fueled vehicle to be owned by the City.

Funding for this purchase is appropriated from the following FY09 Council-approved budget sources:

Budget Unit	Account #	Description of Fund Source/Account #	Amount
08	85050	Vehicle Replacement / 35088502	$110,994.08
84	74110	Wastewater Maintenance / 8405401	$70,000.00
84	74120	Wastewater Maintenance / 8405401	$200,000.00
		TOTAL:	**$380,994.08**

Scott Miller
Finance Approval

For David Gustavson
Approved By

Attachment 1

Bid Proposal for Bid 09-35 from the Municipal Maintenance Equipment

ATTACHMENT (1)

MME

Municipal Maintenance Equipment

2360 Harvard Street · Sacramento, CA 95815 · (916) 922-1101 · Fax: (916) 922-1034
1061 N. Shepard Street, Unit B · Anaheim, CA 92806 · (714) 632-2871 · Fax: (714) 632-2874
4750 Caterpillar Road, Unit D · Redding, CA 96003 · (530) 243-4856 · Fax: (530) 243-1447
1930 W. Winton Ave., Suite 8 · Hayward, CA 94545 · (510) 670-0230 · Fax: (510) 670-9003

April 28, 2009

City of Beverly Hills
455 North Rexford Drive
Beverly Hills, CA 90210

PHONE 310-285-2440

Attention: Rene Biadoma

Please review our attached specification for the Vac-Con Model VPD3650/HN1000 offered to meet your requirements.

Although we do not meet all the specific technical requirements, we meet the intent with our model.

Please review our supplied specifications as we wish to be considered as an equal to your requirements. Please call should you have any questions.

Sincerely,
Municipal Maintenance Equipment

Frank Wheeler III,
Vice President

"Customer Satisfaction is Our Goal"

BID PACKAGE

CITY OF BEVERLY HILLS
OFFICE OF THE CITY CLERK, ROOM 290
455 NORTH REXFORD DRIVE
BEVERLY HILLS, CALIFORNIA
90210 (310) 285-2440

LEGAL NOTICE - BIDS WANTED

Sealed proposals are requested on the list of materials, supplies, equipment or services set forth herein, subject to all conditions outlined in the Proposal Document, including:

SECTION I: REQUEST FOR BIDS
SECTION II: GENERAL INFORMATION AND INSTRUCTION
SECTION III: DETAIL SPECIFICATIONS
SECTION IV: BID FORM

(IF YOU CHOOSE NOT TO SUBMIT A BID, PLEASE COMPLETE PAGE 30)

Sealed proposals will be received only at the **Office of the City Clerk**, 455 North Rexford Drive, Beverly Hills, until 2:00 p.m. local time, on the dates hereinafter stated at which time they will be opened and publicly read for furnishing the materials, supplies, equipment or services or for supplying the materials, and/or providing labor for the repair, construction or improvement as the case may be, as indicated by the items hereunder listed and in accordance with the applicable specifications.

SECTION I – REQUEST FOR BIDS

Date of Request: April 06, 2009

Bid Number: 09 - 35

Item Description: TRUCK, SEWER RODDER/VACUUM COMBO

Bid Opening: April 30, 2009 @ 2:00 PM

All bids must be delivered by the specified opening time of the bid. Bids arriving after the specified hour will not be accepted. Mailed bids, which are delivered after the specified hour will not be considered regardless of postmarked time on the envelope. All bids must be in writing and must contain an original signature by an authorized officer of the firm - Electronic bids (telephone, FAX, etc.) are **NOT** acceptable.

BID DEPOSIT - NONE REQUIRED WITH THIS BID
PERFORMANCE BOND AND PAYMENT BOND - NONE REQUIRED WITH THIS BID.
THE CITY RETAINS THE RIGHT TO REJECT ANY AND ALL BIDS WITHOUT CAUSE AND/OR ELECT NOT TO AWARD A BID.

CITY OF BEVERLY HILLS
SECTION II - GENERAL INFORMATION AND INSTRUCTION

1. Bid deposits of unsuccessful bidders will be returned after the bid has been awarded. A successful bidder's bid deposit will be returned after he has entered into a written contract, or after a performance bond, if required, has been executed and accepted by the City.

2. The vendor's proposal may be withdrawn at any time prior to the bid opening. No proposal may be withdrawn after the bid opening. Violation of this policy may cause forfeiture of the bid deposit and removal from qualified Bidder's List.

3. Bidders are advised to become familiar with all conditions, instructions and specifications governing this bid. Once the award has been made, a failure to have read all the conditions, instructions and specifications of this contract shall not be cause to alter the original contract or for vendor to request additional compensation.

4. Bidders agree to defend and save the City from and against all demands, claims, suits, costs, expenses, damages and adjustments based on any infringement of any patent relating to goods specified in this contract.

5. Successful bidder shall not assign the contract, or subcontract the whole or any part of the contract without written consent of the City. Such consent shall neither relieve the bidder from his obligation nor change the terms of the contract.

6. The City shall have the right to inspect any material specified herein. Equipment, supplies or services that fail to comply with the specifications herein regarding design, material or workmanship are subject to rejection at the option of the City. Any materials rejected shall be removed from the premises of the City at the expense of the vendor.

7. Bidder shall state the nature and period of any warranty or guarantee. Manufacturer's specifications shall be submitted with the bid and shall be considered a part of this contract where such specifications meet the minimum of the City specifications.

8. Each bidder shall submit in full this completed original BID DOCUMENT and all necessary catalogues, descriptive literature, etc., needed to fully describe the materials or work he proposes to furnish.

9. Bidders shall state the delivery date for commodities in terms of calendar days after notification of award. Where the contract calls for performance of labor, the bidder shall also state the number of calendar days required for completion after notification of award.

10. Cash discounts shall be considered in the evaluation of the bids, except that payment periods of less than thirty (30) days will not be considered in award of this bid. Where cash discounts are offered, the discount date shall begin with the invoice date or delivery date to the City, whichever is later.

11. Upon the award of the bid to the successful bidder, **if** insurance is required by the terms of this bid, the City will require evidence of such coverage be furnished within fourteen (14) days of notification of bid award. The amounts and types of coverage will be specified in Section IV of this bid. **All insurance forms must be in a format acceptable to the City**.

12. The Contractor agrees to indemnify, defend and hold harmless the City, City Council and each member thereof, and every officer, and employee of the City, from any liability or financial loss including, without limitation, attorneys fees and costs, arising in any manner whatsoever from any intentional, reckless, negligent, or otherwise wrongful acts, errors or omissions of Contractor, or any person employed by Contractor, including agents and independent contractors, in the performance of this agreement.

13. Every supplier of materials and services and all contractors doing business with the City shall be an "Equal Opportunity Employer" as defined by Section 2000 (E) of Chapter 21, Title 42 of the United States Code Annotated and Federal Executive Orders #11375, and as such shall not discriminate against any other person by reason of race, creed, color, religion, age, sex or physical or mental handicaps with respect to the hiring, application for employment, tenure, terms or conditions or employment of any person.

14. Prices quoted herein must be firm for a period of not less than ninety (90) days after date of bid opening.

15. Bids calling for other than a "lump sum" total bid may be awarded by single item, by groups of items, or as a whole, as the City deems to be in the best interest of the City.

16. The City will be the sole and exclusive judge of quality, compliance with bid specifications or any other matter pertaining to this bid. The City reserves the exclusive right to award this bid in any manner it deems to be in the best interest of the City.

17. Quantities specified in Section III are approximate only, the City reserves the right, within the period for delivery to increase or decrease the quantity ordered and upon mutual agreement after the period specified for delivery, order additional quantities of items bid.

18. "Contractor shall cooperate with the City in all matters relating to taxation and the collection of taxes. It is the policy of the City to self-accrue use tax associated with its own purchases. The City requests that its contractors self-accrue their use tax, **when applicable**, and report the use tax to the State Board of Equalization with a City-assigned permit number. The City's own use tax which is self-accrued by the City will be remitted to the State of California pursuant to the City's permit with the State Board of Equalization."

19. For any questions regarding this bid, please contact Rene Biadoma at (310) 285-2484 or Craig Crowder at (310) 285-2490.

20. **A duplicate copy of your bid must be submitted along with the original.**

SECTION III – DETAILED SPECIFICATIONS

SUBSECTION A - TECHNICAL NOTES

IN EVENT OF CONFLICT, THE FOLLOWING SPECIFICATIONS SHALL PREVAIL OVER GENERAL INSTRUCTIONS CONTAINED ELSEWHERE IN THIS BID.

IMPORTANT NOTICE - THIS SECTION III, SUBSECTION A, COMPLETED WITH REQUIRED INFORMATION AND/OR BIDDER'S EXCEPTIONS MUST BE ATTACHED TO AND RETURNED WITH SECTION IV - BID FORM.

BIDDER MUST EXPLAIN IN DETAIL ALL ITEMS OFFERED WHICH DO NOT CONFORM TO SPECIFICATIONS CONTAINED HEREIN. IF NO EXCEPTIONS ARE LISTED, IT WILL BE ASSUMED BIDDER IS BIDDING "AS SPECIFIED."

SPECIFICATIONS FOR A NEW AND UNUSED TRUCK-MOUNTED JET/VACUUM COMBINATION MACHINE — **BIDDER'S EXCEPTIONS**

PART A: CHASSIS & CAB

I. GENERAL REQUIREMENTS

a) The intent of the specification is to define the minimum performance requirements for a chassis-mounted combination sewer and catch-basin cleaner. The unit shall use high-pressure water to back flush debris to the catch basin, or manhole, while simultaneously using vacuum generated by a positive displacement rotary lobe pump to load the debris into the sealed collector body.

b) In all cases the completed machine must conform to all federal, state, and local laws applicable to this type of equipment. All components of the machine shall be powered by the chassis engine. The use of additional engine(s) shall be not acceptable and be considered non-responsive due to increased costs of maintenance and fuel.

c) Bidders are required to state their compliance to these specifications at the end of each section. Any deviations, changes or exceptions must be noted.

d) Chassis furnished to the City of Beverly Hills shall be a new and unused 2009 or newer model truck.

e) All equipment and components shall be new, unused, serviced and ready for operation upon delivery.

BIDDER'S EXCEPTIONS

f) Equipment will be utilized by the Department of Public Works sewer cleaning crew in the maintenance of the City's sewer/drainage infrastructure. As such, equipment shall be able to withstand the rigors of a sewer cleaning operation typically performed in a municipal environment.

g) Expected gradeability: 8%

II. CHASSIS SPECIFICATIONS

a) 4 x 2 Construction service chassis; truck/tanker or pumper body application. Specify:

MANUFACTURER: Freightliner

MODEL: M2112 Conventional

b) GVWR to be determined by bidder. GVW shall be the maximum allowable and most efficient rating for the type of the equipment specified.

Indicate GVWR: 43,000

c) Engine Type

1. Shall be a dedicated spark-ignited engine capable to run on compressed natural gas (CNG) fuel. Indicate engine offered:

   Make: Cummins

   Model: ISL-G

2. CNG engine must be EPA/CARB certified for 2010 emission mandates.

3. CNG engine must be compliant to ATA and/or J1939 data communications link to ensure dashboard and other peripheral compatibility.

4. CNG engine must be serviced locally during warranty and post warranty. Specify location of nearest service center for engine:

   Name: Los Angeles Freightliner

   Address: 2429 Peck Road, Whittier, CA 90601

5. CNG engine must be a non-disruptive technology that requires specialized training and tools. The service and maintenance must be done by local engine dealership/s.

6. CNG engine must support OBD II and OBD III (date to be determined by EPA/CARB)

7. CNG replacement engine must be a drop-in replacement that requires no under-the-hood modification.

BIDDER'S EXCEPTIONS

8. CNG engine ECU must be accessible to the City of Beverly Hills Fleet Services technicians to access engine diagnostic codes for trouble shooting.
9. CNG replacement engine must have $32,000 IRS Vehicle Tax Credit authorization.
10. CNG engine must interface with existing CNG fuel fast-fill dispensers.
11. CNG tanks shall meet the standards set in the ANSI/CSA NGV2 (Compressed Natural Gas vehicle Fuel Containers) regulation.
12. CNG engine must support tanks that meet Type-3 standards. Tanks shall be constructed of metal liner reinforced by composite wrap around the entire tank (full wrapped), such as SCI or equal, and be rated for 3600 psi.

    Indicate type of CNG tanks: As specified
13. The engine should provide for a cut out to prevent accidental drive-a-way of the fueling dispenser and/or hose assembly when refueling.
14. CNG Tank/s shall be mounted in such a manner that it achieves the shortest possible vehicle length. Note: Shorter length is desired for better maneuvering in City alleys and confined thoroughfares.

    Indicate vehicle overall length: 234" Wheelbase 75" Afterframe
15. CNG tank/s shall be sized equivalent to a 66 Diesel gallon equivalency (DGE).

    Indicate DGE: As specified GL

d) CNG engine must be capable of sustained operation driving a combined system consisting of a vacuum pump, a high-pressure jetter pump, and a hydraulic pump. Specify power outputs:

Horsepower: 300 HP not able to operate in combo mode

Torque: 860 ft. lbs. at 1300 RPM

e) Other Engine features:

1. Engine protection (shutdown) system
2. Heavy-duty cooling
3. Heavy-duty alternator. Specify:

   Alternator output: 160 Amps
4. Group 31 batteries, two minimum.

BIDDER'S EXCEPTIONS

5. Vertical exhaust pipe, with stainless guard, to minimize venting of hot exhaust fumes around work area.

f) Transmission

1. Allison 6 speed 3500 RDS automatic transmission with PTO provision — 3000RDS
2. Water-to-oil transmission cooler
3. Allison Transmission Electronics: Premium utility split shaft RDS group 102 package 150
4. Synthetic Transmission lubricant

g) Brake system

1. Anti-lock brake system – Bendix ABS
2. Wabco 18.7 CFM air compressor
3. Bendix ADIP

h) Chassis, Suspension, Driveline, & Axles

1. Spicer life driveline with XL U-joints
2. Set back front axle
3. 20,000 lb. MFS front axle with alum hubs
4. 20,800 lb. flat leaf front suspension
5. Front Shock Absorbers
6. Synthetic front axle lubricant
7. 23,000 lb. Arvin Meritor RS-23-160 rear axle
8. 25,500lb. Rear Suspension
9. 6.14 Rear axle ratio
10. Chicago Rawhide Plus XL drive oil seals
11. Synthetic rear axle lubricant
12. Reinforced front frame
13. 3.5 million RBM frame rail rating
14. 187" Wheelbase and 138" clear cab to axle measured behind fuel system
15. 70" After frame (overhang)
16. Steel front bumper at normal position in front of cab – Black
17. Two (2) front towing hooks
18. Tow hooks rear
19. Rear D.O.T. bumper - black

BIDDER'S EXCEPTIONS

i) Wheels & Tires

1. 315/80R22.5 Michelin XZU-S front tires – Hub-piloted wheels
2. 11R22.5H Michelin XDE-M/S rear tires – Hub-piloted wheels

j) Cab and Other Miscellaneous Features

1. Cab shall be low entry, offering hi-visibility throughout, and all-steel construction. Specify:

   Cab type: Conventional
2. Back-up alarm: GROTE #73030 or approved equal
3. Grab handles L&R
4. Tinted Glass
5. Dual air horns
6. LH&RH convex wide angle mirrors
7. Dual west coast mirrors
8. National Comfort air suspension high back driver's seat with lumbar support and armrests.
9. Air conditioning min 593 CFM air flow
10. Low air pressure light and alarm
11. Air cleaner restriction indicator
12. Gauges for: temp - oil - speed - tach - hours - odometer - fuel - volts - air pressure
13. AM/FM radio with dual speakers
14. Electric windshield wipers with delay
15. White Imron paint - Cab
16. 5 lb. ABC type fire extinguisher
17. Triangle reflector kit
18. Back-up alarm 97 Decibels.

PART B: CHASSIS-MOUNTED EQUIPMENT

I. COMBINATION JET RODDER/VACUUM MACHINE

a) Truck-mounted Combination Jet Rodder/Vacuum machine shall be a GapVax MC1005 or approved equal. Specify:

Manufacturer: _____

Model: _____

b) Debris Collector Tank.

	BIDDER'S EXCEPTIONS
1. The debris tank shall be a true cylindrical tank constructed of a minimum of 3/16-inch 304 Stainless Steel dished forward tank head and a full vertical and horizontal Stainless Steel dished rear door. The tank shall not have any flat surfaces.	Corten Steel with CeramCote
2. The capacity of the tank shall be a minimum of 5 cubic yards useable.	
3. Material shall enter the tank through a top mounted air- backed debris chute to reduce wear. The debris shall not strike the back door as it enters the tank.	Front Mounted Boom
4. The rear door shall be equipped with four independent, fully adjustable, hydraulic locks and an independent open / close hydraulic cylinder. Each lock shall operate with an independent hydraulic cylinder.	
5. The rear door shall have a full inside perimeter ½" stainless steel sealing ring and seal against a self-compensating neoprene gasket.	Seal is in door on Vac-Con
6. The tank shall have a splash deflector plate installed around the lower portion of the rear door.	
7. Dump controls shall be located forward of the tank assembly for safety.	
8. The tank shall be equipped with an automatic 12 inch stainless steel float ball shutoff, an internal tank flush out system plumbed from the high pressure water pump, a 6" knife drain valve with internal screen, and 15 feet x 6" of lay flat hose with storage rack and cam-loc fittings. A valve shall be installed to blast material off the internal screen.	Standard Vacuum Breaker Assembly
9. The tank shall be mounted to a full-length sub-frame unitized with the water storage tank to provide for resistance to twisting and distortion.	
10. A forward mounted double acting; lift cylinder rated for 55,000 lbs., equipped with safety pilot check valve shall lift the tank to a 45-degree dump angle. All pivot points of the dump system shall have grease fittings.	Scissors Lift
11. No hydraulic components shall be located within the debris tank.	
12. The debris body and rear door shall have a safety prop.	

BIDDER'S EXCEPTIONS

13. The debris tank shall have a 10-year warranty against rust through, distortion or cracking.
14. An access ladder shall be mounted on the tank with a quick opening cleanout and sampling hatch located on top of the transition air backed elbow.
15. The debris tank shall have an externally mounted debris level indicator.

1. Water Storage Tank.
2. The tank(s) shall be mounted at and above the chassis frame rails to provide a flooded inlet for the water pump and for protection from road debris damage and off road applications. — Mounted at and below subframe
3. The tank(s) shall be cylindrical in design and constructed of 3/16" 304 stainless steel with stainless steel dished heads and has a capacity of 1000 U.S. Gallons. — Polyethylene Tanks
4. The tank(s) shall be equipped with a fill system using standard fire hose fittings, an approved anti-siphon air gap, and be plumbed to the curbside of the unit.
5. The water tank(s) shall have dual water level indicating sight tubes on both sides of the unit.
6. The tank(s) shall have a 20" top mounted port for access and inspection, and be equipped with non - corroding baffles.
7. The tank shall be mounted to a full-length sub frame, unitized with the debris tank to provide for resistance to twisting and distortion.
8. The water tank shall have a 10-year warranty against rust, corrosion, distortion or cracking.

c) Vacuum System.

1. The vacuum system shall incorporate a rotary positive displacement vacuum pump with a capacity of 4500 CFM airflow and 18" of pure vacuum. — 824 Roots 18"
2. The vacuum system shall include a tapered vertical cyclone separator with a minimum dimension of 24" wide x 65" tall.
3. The cyclone separator shall have quick removal cleanout and inspection ports on both the air inlet and air exit points on the top of the unit.

BIDDER'S EXCEPTIONS

4. A collector box with cleanout port shall be installed at the bottom of the cyclone. Must be accessible from ground level for safety.
5. An additional quick opening cleanout hatch shall be installed at the bottom of the air duct from the cyclone to the vacuum pump.
6. The vacuum pump will be direct coupled to the transfer case without the use of belts or intermediate hydraulic or hydrostatic components. — Hydrostatic Drive
7. The chassis engine shall provide the power for the pump, with vibration isolation mounts installed at the blower and transfer case.
8. Two 3" vacuum relief valves shall be installed at the blower inlet and set for the rated vacuum of the system.
9. At ground level, a safety filter housing with full opening door shall be mounted between the cyclone separator and the vacuum pump.
10. A removable, washable stainless steel vee-wire screen element capable of stopping any particle larger than the clearance of the vacuum pump lobes. Must be accessible from ground level for safety .
11. An external air operated 6" vacuum relief valve controlled from the operator panel and remote wire pendant control shall be installed before the safety micro filter. — Standard Vacuum Breaker

d) Water Pump System.

1. The water pump shall be a smooth flow triplex design and produce 80 GPM at a pressure of 2000 PSI.
2. The water pump shall run independently of the vacuum pump and be equipped with a full flow adjustable pressure regulator.
3. A filter with shutoff valve shall be installed between the pump and water tank.
4. Bidders must include a manufacturer's performance chart with the bid.
5. The system shall provide for a pneumatically controlled multiple flow control that will allow the use of various nozzles with different flow ratings and have the capability to control the flow — Pneumatic Control not required with Hydrostatic Driven Pump

BIDDER'S EXCEPTIONS

infinitely from 0 to the maximum out put of the pump.

6. The water pump shall be powered by the chassis engine via a transmission mounted PTO, with hot shift operability, and direct coupled shaft without the use of belts or intermediate hydraulic drive systems.

Hydrostatic Drive

7. The water pump shall have a water to oil heat exchanger with a venturi in the water suction line to maintain proper oil temperatures and extend bearing life.
8. The water system shall include low point drain valves and an air purge system to blow residual water from the entire water system to prevent freezing.
9. The air pressure shall be plumbed from the chassis air brake system and include a one – way check valve to prevent air brake contamination.

e) Vacuum Loading Boom.

1. The boom shall be powered hydraulically up/down, left / right, and in /out, with controls located at the operator control panel and pendant control.
2. The boom shall be front-mounted and stored at the front.
3. A full-width steel protection rack, mounted to the sub-frame shall be installed to provide a boom rest and protect the cab.

Not required since Vac-Con designed it's boom so it doesn't hit the cab

4. The boom shall be equipped with two hydraulic lifting cylinders with a minimum of 4" bore, 12" stroke, 2" diameter cylinder rods. Remove 1000lb lift capacity
5. Rotation shall be accomplished via hydraulic worm gear rotation and traverse in a 180 degree arc across the work area.
6. The boom shall have 8"diameter vacuum tubing and hose and be equipped with a hydraulic powered true telescoping section of 9 feet with a total extended length of 26 feet from the centerline of the unit.
7. The boom shall be equipped with a remote lube system accessible from ground level to lubricate the boom pivot bearing, boom extension slide seals and the lift cylinder pins.

BIDDER'S EXCEPTIONS

f) Reel and Operator Station

1. The reel flanges shall be spun from a minimum of 1/4"steel.
2. The reel shall have a capacity of a minimum of 800' of 1" hose with 800' of 1" hose installed.
3. The reel shall traverse an arc of 180 degrees across the work station and be equipped with an air brake to hold position.
4. Reel rotation shall be accomplished by a direct coupled hydraulic motor and gearbox.
5. The use of chain and sprocket drives is specifically prohibited due to excessive maintenance and wear. — Chain and sprocket drive

The reel and operator station shall include the following:

- Vacuum Pump Tachometer and Hour Meter
- Water Pump Tachometer and Hour Meter
- Hydraulic Pressure Gauge
- Vacuum gauge
- Oil dampened water pressure gauge
- Electric chassis engine throttle
- Hose reel position brake
- Hose reel speed and direction control
- Low water level light and Alarm
- High Debris Light and Alarm
- Boom joy stick control and remote pendant control with 25' cord
- Water pressure and flow control- Air operated multi flow system — Not air operated Hydrodrive
- Control panel light
- Vacuum relief valve switch
- Emergency Stop to relief Vacuum and water pressure
- The operator control panel shall be housed in a weather proof, sealed box rated to NEMA 4 standards and be equipped with a compression lock, rubber door gasket and viewing window. The only controls not enclosed in the control box shall be the reel — Standard Vac-Con Control Panel to be provided

	BIDDER'S EXCEPTIONS
speed and direction control and the main water pressure on/off control.	
6. The reel mounting system shall not require the use of support legs or other systems that could cause chassis grill or radiator damage if retracted in other than the transport position.	Our support leg does not cause damage.
7. For safety, system air shift and engagement controls shall be located on a panel located in the truck cab	
g) Hydraulic System	
1. The hydraulic system shall have a minimum capacity of 65 U.S. Gallons and be equipped with a level sight eye and thermometer.	45 gallon
2. The return line shall be equipped with a 10-micron absolute spin-on filter and the suction line shall be equipped with a shut-off valve.	
3. The hydraulic pump shall be mounted on the transfer case and produce 27 GPM at 2000 PSI.	No
4. A set of boom hydraulic control valves shall be mounted behind the driver's side of the cab.	at Operator's Station and on pendant
5. The control valves shall be direct hydraulic without electric over hydraulic requirements.	Electric/Hydraulic DO3 Valves
6. Each boom function shall have a separate handle and be clearly labeled.	
h) Electrical System	
1. The electrical system shall be NEMA 4 rated with all conductors permanently labeled as to function.	
2. The control panel and all junction locations shall be sealed and weather proof.	
i) Painting	
1. The entire exterior of the body, chassis frame, and all steel vacuum module components shall be shot blasted to SP 10 near white finish.	
2. One coat of epoxy fill primer shall be applied and sanded prior to finish coat to provide extended paint quality and durability.	
3. Chassis frame, vacuum pump, water pump, silencers and related power components shall be painted black.	

BIDDER'S EXCEPTIONS

4. Body and associated components shall be painted white.
5. All paint to be automotive type urethane.

   Bidders shall state paint brand and number:

   Brand Name: DuPont

   Number: Imron 5000
6. In no case shall any hoses be painted.
7. All finish painters utilized in the production of this unit shall be certified painting and refinishing technicians by the paint manufacturer.

j) Accessories. The machine shall be equipped with the following accessories:

- Galvanized tube / tool trays along both sides of the tank structure, to hold 32 feet of 8" tubes accessible from the ground level.

  Tube racks are not galvanized
- Code 3, Model 468A, 6"x4" REF12 LED PriZm lighthead, Amber lens / Amber LEDs, Rear Mounted (1 on each side, 2 total)
- Code 3, Model 468A, 6"x4" REF12 LED PriZm lighthead, Amber lens / Amber LEDs, Side Mounted (3 on each side, 6 total)
- Code 3, Model 468A, 6"x4" REF12 LED PriZm lighthead, Amber lens / Amber LEDs, Front Mounted (1 on each side, 2 total)
- Code 3, Model RX2769-ALRC-107, 69" PriZm LED lightbar W / Amber Top Covers, W / Four Intersection and Seven Forward Facing REF12 Amber LED lightheads, installed on cab roof.
- Sound Off, Model EL3D12A20A, 12 Module, Ultralight Exterior Directional Arrow, W/ Dual-warning End Modules, installed on rear of vehicle.
- Sound Off, Model ETSWDAS01, Directional Arrow Controller, installed in cab.
- Code 3, LED PriZm Duo Beam Mini Bar, W / Amber Lenses, W / One Rear Facing and One Side Facing REF12 LED PriZm lightheads, Rear Mounted (1 on each side,

BIDDER'S EXCEPTIONS

2 total)

- Mounting location of lights to be determined after award of bid, prior to vehicle construction.
- Dual boom work lights
- (2) Rear work lights
- Mid-ship-mounted work lights, one each side
- LED stop, turn, and tail lights
- Two (2) Toolboxes, 30" wide Minimum.
- 25 feet of 8" vacuum tubes in various lengths.
- Hydrant fill hose storage rack
- 15 and 30 degree sewer cleaning nozzles
- 10' x 1" double steel braid leader hose
- Hose protectors (tiger tail)
- 25' x 2 1/2" hydrant fill hose
- Adjustable spray pattern handgun with 50'x1/2" hose, spring retractable reel mounted curbside, connected to 2000 PSI High pressure water system
- 100 decibel back up alarm
- Mud flaps in front of and behind rear axle
- Rear bumper
- Front and rear tow hooks
- Triangle kit
- 5-lb. fire extinguisher
- Wireless Pendant Control
- One (1) Chisel Nozzle – 1"
- One (1) Standard Cleaning Nozzle – 1"
- One (1) Sand and Grease Nozzle – 1"
- One (1) Rotator Nozzle –1"
- One (1) 4 wire nozzle extender – 1"
- One (1) Warthog Nozzle – 1"
- One (1) operation and maintenance manual

k) Training

BIDDER'S EXCEPTIONS

1. The successful bidder shall provide factory authorized training, to include operation and maintenance procedures, for a period of 8 hours to be held at a designated location in the City of Beverly Hills.

l) Warranty

1. The unit shall have a minimum of one year warranty against defects in materials and workmanship, except for the warranties noted within these specifications for the tank structures.
2. The engine, drive train and all CNG components shall have a minimum five year warranty against defects in materials and workmanship.
3. The warranties shall cover both parts and labor and begin at the in-service date.
4. Optional warranty offerings:
   a. Chassis: _____
   b. Vacuum/Jetter machine:_____

m) Other requirements.

1. *Keys: Four (4) key sets shall be furnish*ed with unit.
2. A line setting ticket or invoice, and one certified weight ticket with front axle, rear axle and tire weight shall be provided with the vehicle.
3. 2 sets of operator's manual.
4. 2 sets each of maintenance and parts manuals in digitized form or hard copy.
5. Information for mounted accessories.

(End of technical specification)

SUBSECTION B - SPECIAL REQUIREMENTS

1. The successful bidder will complete all documents and / or file all applications necessary to obtain exempt registration and license plates for vehicle(s) covered by this bid from the California Department of Motor Vehicles in the name of the **City of Beverly Hills, 455 North Rexford Drive, Beverly Hills, California 90210**, before the vehicles(s) are delivered. Ownership Certificate(s), Registration(s) and license plates must be delivered with the vehicle(s).

2. Delivery is an important consideration in award of this bid. Bidder will be strictly bound to his commitments.

3. Vehicle(s) covered by this bid, including all equipment and accessories, must comply with all requirements of the California Vehicle and Federal Motor Vehicle Safety Standards for 2006 vehicles, safety orders of the California Division of Industrial Safety, and American National Standards Institute for the manufacture, reconstruction, modification, maintenance, service, operation, and installation (where applicable) of sewer-rodding machine, including all amendments thereto.

4. Bidder is to state warranty period(s) on all vehicle(s).

5. City shall be the sole and final judge of compliance with bid specifications and reserves the exclusive right to award this bid in any manner it deems to be in the best interests of the City.

SECTION IV - BID FORM
(Must be completed by Vendor)

The undersigned proposes to furnish all materials, supplies, equipment or services set forth herein subject to all conditions outlined in the Bid Document, including the general instructions and information to bidders, at prices indicated below:

Vac-Con Model VPD3650LHAHN/1000
mounted on Freightliner CNG

Bid Proposal: $ 336,186.00 plus sales tax

Payment Terms: Net 30

Warranty: See attached / Exceptions or Deviations attached X **YES;** ___ **NO**

Delivery: 350-380 days A.R.O. (Number of Days)

Price Quote Valid Until: 30 days, possible extension upon request.

Company Name: Municipal Maintenance Equipment, Inc.

Address: 2360 Harvard Street, Sacramento, CA 95815

Telephone: 916-922-1101 Fax: 916-922-1034

Email: fwheeler@source-mme.com Cell phone (optional): 916-296-9490

Person Submitting Bid: Frank Wheeler III (Print Name) Vice President (Title)

(Signature)

F.O.B.
All prices of the bid shall be F.O.B. destination Beverly Hills, California; and delivery to any point within Beverly Hills shall be without additional charge.

TAX
All bid proposals shall be exclusive of tax; City staff will compute all tax involved when applicable.

ACCEPTANCE OF PROPOSAL
The City reserves the right to accept or reject any and all bids and reserves the right to waive technicalities where such action best serves the interests of the City. The manufacturer of the

proposed materials or equipment may be required to acknowledge by written conformation that the minimum requirements of the specifications are included in the Bidder's proposal before the award of the bid.

EXCEPTIONS

Any bidder's exceptions to these terms or conditions or deviations from the written specifications shall be shown in writing and attached to bid form. However, such exceptions or deviations may result in bid rejection.

INSURANCE (applicable to successful bidder who may come into the City)

(1) **Commercial general liability** coverage at least as broad as Insurance Services Office Commercial General Liability occurrence coverage ("occurrence" form CG0001, Ed. 11/85) with a limit of not less than $2,000,000 (Two Million Dollars) per occurrence. If the insurance includes a general aggregate limit, that limit shall apply separately to this contract or it shall be at least twice the required per occurrence limit.

(2) **Business automobile liability** insurance at least as broad as Insurance Services office form CA 0001 (Ed. 1/87) covering Automobile Liability, code 1 "any auto" and endorsement CA 0029 (Ed. 12/88) with a limit not less than $1,000,000 (One Million Dollars) per accident.

(3) **Workers Compensation** Insurance as required by the State of California and **employers liability** insurance with a limit not less than $1,000,000 (One Million Dollars) per accident.

All insurance coverages shall be provided by insurers with a rating of B+; VII or better in the most recent edition of Best's Key Rating Guide, Property-Casualty Edition.

Work on City property covered by a purchase order cannot be commenced until certificates of insurance have been approved.

Please use the official City of Beverly Hills certificate of insurance form (attached). If you use another form, the following requirements must be met to make the certificates acceptable to the City:

1	name the City of Beverly Hills as additional insured for both GENERAL liability and AUTO liability; and
2	have at least thirty (30) days written notice of cancellation.

All certificates of insurance must remain current until the purchase order expires or is sooner cancelled.

AFTER THE ACCEPTANCE AND AWARD OF THE BID BY THE CITY COUNCIL UPON RECEIPT OF A WRITTEN PURCHASE ORDER EXECUTED BY A PROPER OFFICER OF THE CITY, THIS DOCUMENT WILL CONSTITUTE THE LEGAL CONTRACT BETWEEN THE CITY AND THE SUCCESSFUL BIDDER.

If your response is **"NO BID"**, please explain below:

_____

_____

_____

_____

_____

_____

_____

COMPANY NAME:_____

ADDRESS:_____

CITY, STATE, ZIP CODE:_____

TELEPHONE NUMBER:_____

FAX NUMBER: _____

BY:

_____ _____
(Print Name) (Signature)

_____ _____
(Title) (Date)

PLEASE RETURN TO:

CITY OF BEVERLY HILLS
OFFICE OF THE CITY CLERK, ROOM 290
455 NORTH REXFORD DRIVE
BEVERLY HILLS, CA 90210

(END)

GENERAL

The machine is capable of removing stones, grit, grease, sludge and other debris from sanitary sewer and/or storm drain lines by the flushing action of high-pressure water. The high-pressure sewer cleaner operates independent of the vacuum system.
The machine includes an air conveying vacuum system to provide for the simultaneous removal of the debris flushed to the manhole by the high-pressure water system or for the removal of debris from sewers, sumps, catch basins, digesters, wet wells, bar screens, etc.
The machine is capable of being operated by one man, with all operating controls for high-pressure water pump, hose reel, and vacuum, located at the front of the machine for safety.

DEBRIS BODY

Debris storage body has have a minimum usable liquid capacity of 5 cubic yards.
The rear door is full opening, hinged at the top (hinges shall be adjustable) with a minimum 6" diameter diameter liquid drain for removing excess liquids. The drain to have a knife valve installed at the opening. Drain will have 10 feet of 6 inch layflat hose.

The debris body has five (5) externally mounted door locks that lock hydraulically. One manual T bolt is installed for operator safety. A hydraulic grabber shall be installed and controlled by one hydraulic cylinder externally mounted for ease of service. The hydraulic locks and grabber shall be operated by one (1) sequential control. In order to allow the operator to control the discharging of liquids from the debris tank by cracking open the door prior to the dumping procedure, the hydraulic grabber shall engage the door at the bottom of the door from 0" - 6". Beyond the 6" stroke, the grabber shall automatically disengage the door, allowing for the dumping of the debris tank.

A double acting power up/power down hydraulic scissors lift mechanism will be provided to raise body to a minimum 60 degree angle. The scissors lift mechanism shall be designed to support a minimum of 24 inches of the debris tank width to provide stability and when dumping on uneven ground. The lift capacity of hydraulic scissors lift cylinder is 56,000 lbs.

Dump controls are located on the curbside mid-ship of the unit, well forward of the dumping area for operator safety. A manual override system is provided in case of system failure.

The debris body has a five year warranty.
An internal polyethylene float device with external indicator is supplied to show when body is loaded to capacity.

AUTOMATIC VACUUM BREAKER

The automatic vacuum breaker assembly is located inside the body.
A full indication activates an automatic vacuum breaker shut down system that completely shuts down 100 percent of the airflow to the vacuum system to prevent overfilling and wastewater discharge into the atmosphere.
The vacuum breaker system is automatically activated (closed) when the parking brake system is released to eliminate carryover during transit.
The system is controlled/activated, at the front hose reel control station. This enables the operator to pick up large debris with boom and place debris on the road surface. This system can be used for safety in the event suction must be shut off in case of an emergency.

POSITIVE DISPLACEMENT BLOWER

A lobe type positive displacement blower is provided capable of a minimum 3600 CFM's and 16" of water Control of the blower regarding start, stop and the rate of vacuum suction is performed from the front of the truck. A vacuum suction breaker disconnect switch is provided to enable operator to pick up large debris with boom and place debris on road surf The positive displacement blower is operated independent of the high-pressure water system.

The compressor is driven by the chassis engine via a closed loop hydrostatic system using a variable piston pump and motor. This system shall include a heat exchanger for extreme ambient conditions and to maintain the pump suction oil temp at 160 deg. F. max. The heat exchanger shall be protected by a 30-micron filter and cold weather by pass valve. Hydrostatic loop filtration is accomplished by ya 10 Beta micron return filter and a 10-micron Absolute (no bypass) charge filter.

The blower is protected by (2) two 3" diameter vacuum relief valves. The system incorporates an air/water separator and a sound silencer to separate material before it enters blower and to ensure quite operation.

A means of starting, stopping, and varying the vacuum suction from operator station at the front of the machine is provided.The blower is mounted on a frame independent of the water tank. The system is capable of vacuuming under water without special attachments. The positive displacement blower has a 12-month non-prorated warranty.

VACUUM PICK UP HOSE

Shall be front loading, attached at the front of the machine in order to provide ease of positioning the machine over the manhole, as well as afford maximum safety for the operator. The 8 inch diameter hose will be mounted on a boom that will provide a minimum of 18' vertical lift utilizing dual hydraulic cylinders and 230 degree of boom rotation powered hydraulically for non-interrupted smooth movement. Boom to have a lift capacity of 500 lbs. at the front bumper.
The boom will be powered by an electric over hydraulic system: up/down by dual lift cylinders. The right/left movements shall be hydraulic.

Control of the boom shall be by means of a joystick control at the operator's station, requiring no cables at operator's feet for boom operation. A 6-way remote pendant station will also be supplied.
The boom shall hydraulically telescope a minimum of 10 ft. forward from the operators station. The height of the boom shall not change while the boom is being telescoped.
A manual override system shall be provided for right/left, and up/down functions in case of system failure.

A wireless remote control is provided for Boom, Vacuum Breaker, Chassis Throttle, and Debris Body functions. A manual override system shall be provided for right/left, and up/down functions in case of system failure.

A boom coverage chart shall be provided.

8 inch diameter pipe extensions with clamps will be provided and carried on the truck as follows:
1) 6-1/2' Catch Basin Nozzle
1) 6' Aluminum Pipe Extension
2) 5' Aluminum Pipe Extension
1) 3' Aluminum Pipe Extension
1) spare quick clamps

WATER SUPPLY

The water tank has a minimum usable capacity of 1000 U.S. gallons.
The water tanks are constructed of non-corrosive, non-metallic, durable, cross-linked polyethylene to eliminate rust, corrosion, and stress cracking.
The water tanks are mounted at and below the truck frame level to provide a low center of gravity for truck stability.
A 2-1/2 inch diameter x 25 feet long hydrant hose with hydrant wrench is supplied on the unit.
An anti-syphon fill device is installed on the unit.
Inspection ports shall be provided to fill or to add chemicals to the water system.
A sight gauge to indicate water level is located within sight of the operator station.
The water tanks are protected by a minimum of 11 gauge steel plating mounted below the water tanks for protection against road hazards when unit travels over the road, off the road or to land fills.
The water tanks carry a ten year replacement warranty.

HIGH-PRESSURE WATER PUMP

The high pressure water pump is rated to deliver smooth continuous pressure and flow through the entire flow range of the pump.

A continuous duty flow of 80 g.p.m. and 2000 p.s.i. is provided.

High-pressure relief valves are provided for both the high-pressure system and hand gun system.
The water pump operates independently of the vacuum system and is powered by hydrostatics.
The water pump is capable of running dry.
Controls for starting and stopping the water pump and to vary the flow and pressure are at the front hose reel operator's station.
The high-pressure water pump is equipped with a cold weather drain valve. The valve allows the operator to completely drain the high-pressure pump.

HOSE REEL ASSEMBLY

The hose reel assembly is mounted on the front of the vehicle. The hose reel has a minimum of 30" inside diameter with a capacity of 800' x 1" hose. The hose reel is hydraulically powered in both directions by means of a double chain and sprocket drive. The controls

for operating the motor have a flow control device to regulate the rotational speed of the reel in both directions. All hydraulic hoses are behind a steel housing to protect operator from hydraulic oil if a hose fails. The hydraulic motor, chain, and sprockets have a protective cover or are mounted on the radiator side of the hose reel for operator safety.

The hose reel articulates 180 degrees to the drivers side allowing operator to work in any position through this arc. This allows greater flexibility in truck placement for manholes located in tough areas and provides greater safety to the operator. Reel extends beyond the width of unit for greater flexibility for positioning reel over offset manholes, catch basins, etc. A hydraulically controlled outrigger leg is supplied that comes in contact with the ground at any one position. A warning light is located in the cab to warn the operator that the outrigger leg is not in its transported position prior to moving the unit. A manual bypass system for the hose reel assembly is provided to manually pull the reel assembly away from its transported position. This feature allows operator to check fluids without starting engines.

MANHOLE CLEANING WATER SYSTEM (HAND GUN)

#Error

800' x 1" jet rodder hose will be supplied rated for 2500 psi working pressure and 6250 psi burst pressure.
A heavy duty hose guide with 25' of nylon rope will be provided.
Nozzles will be provided as follows: 1) Chisel head penetrator & 1) sanitary.

1) Storm nozzle pipe assembly (skid)
1) Rotating spinning nozzle
1) 80 gpm aluminum storm nozzle

HYDRAULIC SYSTEM AND LUBRICATION

The hydraulic system has a 45-gallon capacity.
The hydraulic system incorporates a main shut off valve in case of hydraulic failure.
The hydraulic system incorporates hydraulic pressure relief valves and pressure gauges for ease of trouble shooting and maintenance.
The unit is equipped on the passenger side, mid-section of the module, a permanent weatherproof white vinyl lubrication chart that points out lubrication points on the module and specifies what type of lubrication and hydraulic fluids are required. The chart also specifies the frequency of each lubrication point.
Remote plumbed grease fittings are provided for the vacuum compressor, boom rotation, and water pump drive areas.

ACCESSORIES

A minimum twelve (12) month manufacturer's guarantee on the unit will be provided.
A storage box behind the cab will be provided, 16" x 42" x 96"

1) 5# fire extinguisher
1) Flush out connection for rear door valve
1) Air purge system
1) Lazy Susan style, deck mounted pipe rack, holds 5 pipe
1) 10' leader hose
1) Rear mounted tow hooks
1) Triangle kit
1) Debris body flush out system, 6 jets
1) Ceramic coating in debris tank
1) Rear splash guard, tank mounted (4-8 O'clock Position)
1) Cyclone style separator
1) Low water alarm with light
1) Body load limit alarm, level indicator
1) Remote boom grease zerk assembly, (accessible from ground level)
1) 6-Way Pendant Control Station
1) Back up alarm

1) Debris tank inspection hatch, 8" - driver side front
1) Heavy reinforced elbow "wear back"
1) Vacuum gauge, front bumper location, behind reel
1) Valve at water pump inlet
1) Control panel light
1) 10 year warranty on Corten steel debris body
1) Rear DOT bumoer
1) Spl Code3 safety lighting
1) Warthog nozzle

LIGHTING

The entire module electrical system is vapor sealed to eliminate moisture damage.
All wiring is color-coded, labeled and run in sealed terminal enclosures.
All module circuits are protected by circuit breakers.
Clearance lights and reflectors are furnished in accordance with D.O.T. requirements.

PAINT

Unit paint surface is shot blasted, primed and sanded prior to paint. Unit to be painted
to customer special instructions
with DuPont Imron 5000 polyurethane paint.
Unit shall have reflective White or Blue boom and side stripes, and rear chevrons.
Chassis shall be painted manufacturers standard white.

TRAINING AND MANUALS

Operator training will be conducted by a factory-trained representative for a minimum of one day at the time of delivery.
1 copy(ies) of the operating and maintenance manual for the sewer cleaner module shall be provided upon unit delivery.
An operational video will be provided with the unit.

MOUNTING AND DELIVERY

The unit described will be mounted on a truck chassis acceptable to the body manufacturer at the factory of the body manufacturer.

Prepared for:
TOM JOOY
VAC CON INC
969 HALL PARK DRIVE
GREEN COVE SPRINGS, FL 32043
Phone: 904-284-4200
E-Mail: tomj@vac-con.com

SPECIFICATION PROPOSAL

	Description
Price Level:	
	M2 PRL-72E (EFF:10/02/08)
Data Version	
	SPECPRO21 DATA RELEASE VER 005
Vehicle Configuration	
	M2 112V CONVENTIONAL CHASSIS
	2010 MODEL YEAR SPECIFIED
	SET BACK AXLE - TRUCK
	STRAIGHT TRUCK PROVISION
	LH PRIMARY STEERING LOCATION
General Service	
	TRUCK CONFIGURATION
	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)
	PICKUP AND DELIVERY/SHORT HAUL SERVICE
	GOVERNMENT BUSINESS SEGMENT
	LIQUID BULK COMMODITY
	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
	MAXIMUM 8% EXPECTED GRADE
	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
	FREIGHTLINER LEVEL II WARRANTY
	EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs
	EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs
	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 43000.0 lbs

Freightliner reserves the right to change specifications, prices, and weights, without notice

Prepared for:
TOM JODY
VAC CON INC
969 HALL PARK DRIVE
GREEN COVE SPRINGS, FL 32043
Phone: 904-284-4200
E-Mail: tomj@vac-con.com

	Description
Truck Service	
	TANK BODY
	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0
Engine	
	CUSTOM ENGINE CUMMINS ISL G 320HP@2000RPM, 2200 GOV, 1000 LB-FT @1300
Electronic Parameters	
N	ROAD SPEED LIMIT MPH : 69.0
N	MAX RPM FOR PTO : 900.0
	VSS ANTI-TAMPERING DDEC - YES
Engine Equipment	
	2007 EPA/CARB EMISSION CERTIFICATION
	ENGINE MOUNTED OIL CHECK AND FILL
	CUSTOM VALVE COVER OPTION (SCO)
	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER
	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR
	(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1850 CCA THREADED STUD BATTERIES
	BATTERY BOX FRAME MOUNTED
	LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE
	FRAME GROUND RETURN BATTERY CABLES WITH 36 INCHES OF ADDITIONAL CABLE
	NON-POLISHED BATTERY BOX COVER
	CUMMINS 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE
	TEFLON COMPRESSOR DISCHARGE LINE
	ELECTRONIC ENGINE INTEGRAL WARNING AND DERATE PROTECTION SYSTEM
	NO ENGINE BRAKE
	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT DEVICE WITH RH CAB MOUNTED VERTICAL TAILPIPE
	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
	10 FOOT 06 INCH (126 INCH+0/-5 INCH) EXHAUST SYSTEM HEIGHT

Freightliner reserves the right to change specifications, prices, and weights, without notice.

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	Description
	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP
	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD(S)
	HORTON DRIVEMASTER ON/OFF FAN DRIVE
	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED
	CUMMINS SUPPLIED FLEETGUARD COALESCING FILTER (LOW PRESSURE) CNG
	FULL FLOW OIL FILTER
	1300 SQ. IN. ALUM RADIATOR
	ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE-CHARGED SCA HEAVY DUTY COOLANT
	RUBBER COOLANT HOSES
	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
	1350 ADAPTER FLANGE FOR FRONT PTO PROVISION
	ALUMINUM FLYWHEEL HOUSING
	DELCO 12V 38MT STARTER WITH INTEGRATED MAGNETIC SWITCH

Transmission

N	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

Transmission Equipment

	WTEC CALIBRATION - 6 SPEED RDS (PACKAGE 114)
	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED
	CHELSEA 277 SERIES CUSTOMER INSTALLED PTO
	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION
	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED
	TRANSMISSION PROGNOSTICS - ENABLED
	WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED
	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK
	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment

	MFS-20-133A 20,000# FL1 SINGLE FRONT AXLE

Freightliner reserves the right to change specifications, prices, and weights, without notice.

Prepared for:
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Description
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
NON-ASBESTOS FRONT BRAKE LINING
CONMET CAST IRON FRONT BRAKE DRUMS
FRONT BRAKE DUST SHIELDS
CHICAGO RAWHIDE SCOTSEAL PLUS XL FRONT OIL SEALS
VENTED FRONT HUB CAPS - OIL
STANDARD SPINDLE NUTS FOR ALL AXLES
MERITOR AUTOMATIC FRONT SLACK ADJUSTERS
TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR
POWER STEERING PUMP
4 QUART POWER STEERING RESERVOIR
OIL/AIR POWER STEERING COOLER
ORGANIC SAE 80/90 FRONT AXLE LUBE

Front Suspension

20,000# FLAT LEAF FRONT SUSPENSION
GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION

Rear Axle and Equipment

RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
6.43 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
176T MERITOR MAIN DRIVELINE WITH HALF ROUND YOKES
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
NON-ASBESTOS REAR BRAKE LINING
CONMET CAST IRON REAR BRAKE DRUMS
REAR BRAKE DUST SHIELDS
CHICAGO RAWHIDE SCOTSEAL PLUS XL REAR OIL SEALS
HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS
MERITOR AUTOMATIC REAR SLACK ADJUSTERS
ORGANIC SAE 80/90 REAR AXLE LUBE

Rear Suspension

30,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD

Freightliner reserves the right to change specifications, prices, and weights, without notice.

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	Description
	SPRING SUSPENSION - NO AXLE SPACERS
	STANDARD U-BOLT PAD
	FORE/AFT CONTROL RODS
Brake System	
	AIR BRAKE PACKAGE
	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL
	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
	FIBER BRAID PARKING BRAKE HOSE
	STANDARD BRAKE SYSTEM VALVES
	STD U.S. FRONT BRAKE VALVE
	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
	STEEL AIR BRAKE RESERVOIRS
	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS
Trailer Connections	
	UPGRADED CHASSIS MULTIPLEXING UNIT
	UPGRADED BULKHEAD MULTIPLEXING UNIT
Wheelbase & Frame	
	5950MM (234 INCH) WHEELBASE
	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
	1/4 INCH (6MM) C-CHANNEL INNER FRAME REINFORCEMENT
	1900MM (75 INCH) REAR FRAME OVERHANG
	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH
	24 INCH INTEGRAL FRONT FRAME EXTENSION
	UNDERSLUNG CROSSMEMBER
	SQUARE END OF FRAME
	FRONT CLOSING CROSSMEMBER
	STANDARD WEIGHT ENGINE CROSSMEMBER
	STANDARD REARMOST CROSSMEMBER
	HEAVY DUTY SUSPENSION CROSSMEMBER
Chassis Equipment	
	OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203

Freightliner reserves the right to change specifications, prices, and weights, without notice.

Prepared for:
TOM JODY
VAC CON INC
969 HALL PARK DRIVE
GREEN COVE SPRINGS, FL 32043
Phone: 904-284-4200
E-Mail: tomj@vac-con.com

	Description
	NO LICENSE PLATE MOUNTING
	NO MUDFLAP BRACKETS
	NO REAR MUDFLAPS
	GRADE 8 THREADED HEX HEADED FRAME FASTENERS INSTALLED WITH BOLT HEADS ON OUTSIDE OF FRAME
Fuel Tanks	
	NO RH FUEL TANK
	100 GALLON/378 LITER ALUMINUM FUEL TANK - LH
	NO FUEL TANK CROSS SECTION (SCO)
	NO FUEL TANK AND BAND FINISH
	CNG FUEL TANKS MOUNTED BACK OF CAB
	STACKED TRAVERSE MOUNTING BACK OF CAB FOR CNG TANKS WITH PAINTED SHIELDING
	CNG PARKER HANNIFIN TYPE FILLER RECEPTACLE AND DUST CAP
	NO FUEL/WATER SEPARATOR
	SINGLE CNG FUEL LINE WITH SOLENOID SHUTOFF VALVE AND PRESSURE REGULATOR
	STAINLESS STEEL TUBING AND TEFLON FLEXIBLE FUEL LINES - CNG
Tires	
	GOODYEAR G286A 425/65R22.5 20 PLY RADIAL FRONT TIRES
	GOODYEAR G164 RTD 11R22.5 14 PLY RADIAL REAR TIRES
Hubs	
	CONMET PRE-SET BEARING IRON FRONT HUBS
	CONMET PRE-SET BEARING IRON REAR HUBS
Wheels	
	ACCURIDE 29807 22.5X12.25 10-HUB PILOT 4.75 INSET 5-HAND STEEL DISC FRONT WHEELS
	ACCURIDE ACCU-LITE 50408 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS
Cab Exterior	
	112 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
	AIR CAB MOUNTS
	2-1/2" FENDER EXTENSIONS
	STATIONARY PAINTED GRILLE TRIMMED FOR CHASSIS WITH FRONT FRAME EXTENSION

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	Description
	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE
	FIBERGLASS HOOD
	SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED
	SINGLE ELECTRIC HORN
	SINGLE HORN SHIELD
	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS
	REAR LICENSE PLATE MOUNT END OF FRAME
	INTEGRAL HEADLIGHT/MARKER ASSEMBLY
	(5) AMBER MARKER LIGHTS
	INTEGRAL STOP/TAIL/BACKUP LIGHTS
	STANDARD FRONT TURN SIGNAL LAMPS
	DUAL WEST COAST MOLDED-IN COLOR MIRRORS
	DOOR MOUNTED MIRRORS
	102 INCH EQUIPMENT WIDTH
	LH AND RH 8" MOLDED-IN COLOR CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS
	STANDARD SIDE/REAR REFLECTORS
	63X14 INCH TINTED REAR WINDOW
	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS
	MANUAL DOOR WINDOW REGULATORS
	TINTED WINDSHIELD
	8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR
Cab Interior	
	OPAL GRAY VINYL INTERIOR
	MOLDED PLASTIC DOOR PANEL
	MOLDED PLASTIC DOOR PANEL
	GRAY VINYL MATS WITH INSULATION
	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
	IN DASH STORAGE BIN
	(2) CUP HOLDERS LH AND RH DASH
	GRAY/CHARCOAL FLAT DASH
	HEATER, DEFROSTER AND AIR CONDITIONER
	STANDARD HVAC DUCTING
	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH

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Description
STANDARD HEATER PLUMBING
SANDEN HEAVY DUTY AIR CONDITIONER COMPRESSOR
BINARY CONTROL, R-134A
CAB INSULATION
SOLID-STATE CIRCUIT PROTECTION AND FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH DOOR(S)
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
(1) 12 VOLT POWER SUPPLY IN DASH
BOSTROM TALLADEGA 910 HIGH BACK AIR SUSPENSION DRIVER SEAT
HIGH BACK NON SUSPENSION PASSENGER SEAT
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
VINYL WITH VINYL INSERT DRIVER SEAT
VINYL WITH VINYL INSERT PASSENGER SEAT
3 POINT FIXED D-RING RETRACTOR DRIVER AND PASSENGER SEAT BELTS
FIXED STEERING COLUMN
4-SPOKE 18 INCH (450MM) STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

ENGINE REMOTE INTERFACE WITH PARK BRAKE AND NEUTRAL INTERLOCKS
BLACK GAUGE BEZELS
GRAY DRIVER INSTRUMENT PANEL
GRAY CENTER INSTRUMENT PANEL
LOW AIR PRESSURE LIGHT AND BUZZER
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
ODOMETER/TRIP/HOUR/DIAGNOSTIC/VOLTAGE DISPLAY: 1X7 CHARACTER, 26 WARNING LAMPS, DATA LINKED, ICU3
DIAGNOSTIC INTERFACE CONNECTOR, 9 PIN, SAE J1587/1708/1939, LOCATED BELOW DASH

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GREEN COVE SPRINGS, FL 32043
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Description
2 INCH ELECTRIC FUEL GAUGE
ENGINE REMOTE INTERFACE WITH INCREMENT/DECREMENT
ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
ELECTRIC ENGINE OIL PRESSURE GAUGE
AM/FM/WB RADIO
DASH MOUNTED RADIO
(2) RADIO SPEAKERS IN CAB
AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER
ELECTRONIC 3000 RPM TACHOMETER
IGNITION SWITCH CONTROLLED ENGINE STOP WITH CONTROL MOUNTED AT FIREWALL
NO TRAILER HAND CONTROL BRAKE VALVE
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY
MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH
ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS

Design

PAINT: ONE SOLID COLOR

Color

CAB COLOR A: 43547EA WINTER WHITE ELITE SS

BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT

VENDOR WHITE FRONT WHEELS/RIMS

VENDOR WHITE REAR WHEELS/RIMS

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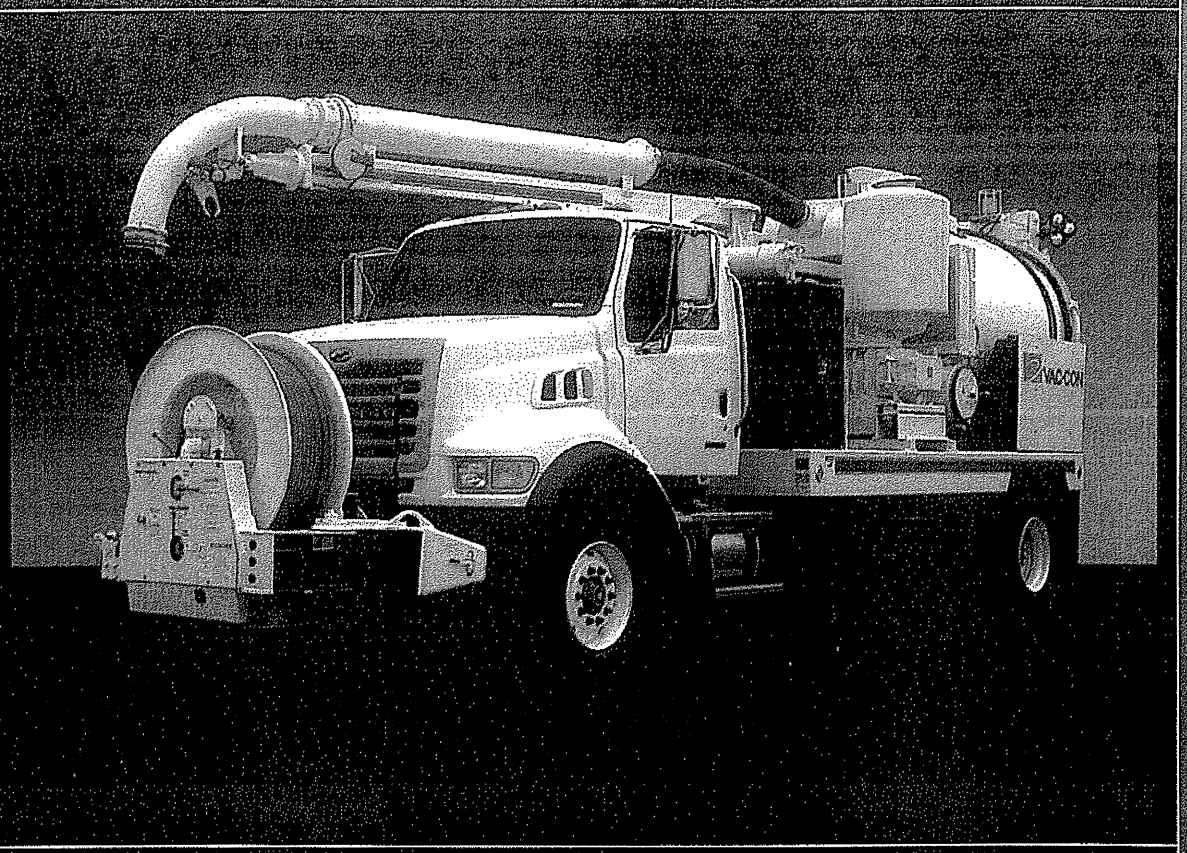
VAC-CON

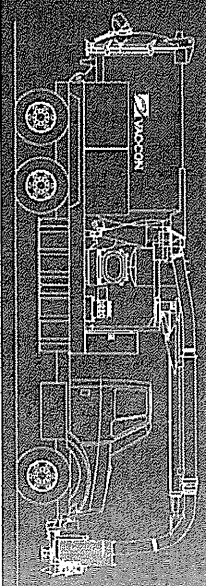
MORE POWER TO YOU

SINGLE ENGINE PD COMBINATION MACHINE



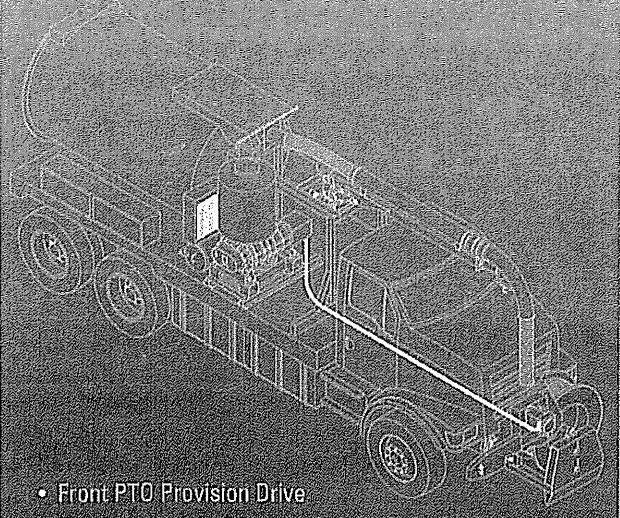
VAC-CON'S SINGLE ENGINE DESIGN TAKES THE COMPLEXITY OUT OF SINGLE ENGINE PD MACHINES!

Only Vac-Con uses the simplicity of hydrostatic drive to power both the vacuum and water systems with a single engine. No transfer case is required to drive the two hydrostatic pumps, the machine operates with the chassis in neutral and features simple and independent control of both systems. If you are looking for a single-engine machine, Vac-Con's unique design offers the best value without sacrificing performance or ease of operation.



SINGLE ENGINE PD COMBINATION MACHINE SPECIFICATIONS

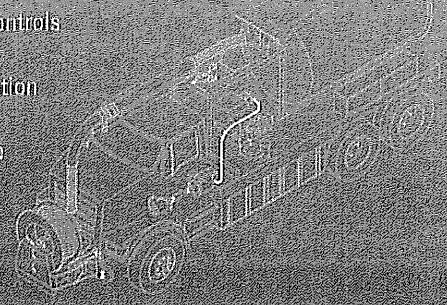
HYDROSTATIC BLOWER DRIVE



- Front PTO Provision Drive
- Our Standard on PDs Since 1994
- Transmission Operates in Neutral
- No Transfer Case Required

HYDROSTATIC WATER PUMP DRIVE

- PTO Driven Off Transmission / Live
- Transmission Operates in Neutral
- Water System Controls At Front Panel
- Winter Recirculation No Problem
- No Transfer Case Required



VACUUM DRIVE SYSTEM

- Hydrostatic variable displacement piston pump driven by chassis engine
- Hydrostatic fixed displacement piston motor
- Hydraulically driven heat exchanger fan
- 110-190° F operation ranges at 90° F ambient temperature
- Torsional soft coupling
- Multi-stage hydraulic filtration system

VACUUM SYSTEM

- Positive displacement blower
- Standard vacuum rating: 16" Hg at 3600 CFM
- Dual relief valves
- Low point drain in plenum
- Standard vacuum gauge conveniently mounted
- Optional PD Blowers:
  - Vacuum rating: 15" Hg at 2950 CFM
  - Vacuum rating: 16" Hg at 4200 CFM

AUTOMATIC VACUUM BREAKER SHUT-OFF AND FILTRATION

- Vacuum Breaker
  - System automatically stops air flow to prevent over filling and carry-over during transport
  - Can be manually controlled from front operator station or with available wireless remote for operator safety
- Filtration
  - Dual port separation with dual stainless steel microscreens
  - Centrifugal final filter with easy access inspection door
  - Cyclone separator available as required
- Available baghouse with cartridge filters
- Bag option for final filter

WATER PUMP DRIVE SYSTEM

- Hydrostatic variable displacement piston pump driven by chassis transmission P.T.O.
  - Hydrostatic fixed displacement piston motor
- Independent control of vacuum and water systems
- Front operator station controls

WATER SYSTEM

- Systems up to 3000 psi and 120 gpm with smooth continuous flow and pressure
- Available Hydro-Excavation Package
- Available winter recirculation
- Available air purge system

MME
Municipal Maintenance Equipment

2360 Harvard Street • Sacramento, CA 95815 • (916) 922-1101 • Fax: (916) 922-1034
1061 N. Shepard Street, Unit B • Anaheim, CA 92806 • (714) 632-2871 • Fax: (714) 632-2874
4750 Caterpillar Road, Unit D • Redding, CA 96003 • (530) 243-4856 • Fax: (530) 243-1447
1930 W. Winton Ave., Suite B • Hayward, CA 94545 • (510) 670-0230 • Fax: (510) 670-9005

Vac-Con's Single Engine PD Combination Machine is easy to operate, safe, durable and outperforms the competition. All backed by ***Power Up*** customer support, and our dedicated dealer network brings more power to you.

...1: 904-284-4200 / Fax: 904-284-3305 • www.vac-con.com • info@vac-con.com

Rene Biadoma

From: Frank Wheeler [fwheeler@source-mme.com]
Sent: Tuesday, May 26, 2009 1:30 PM
To: Rene Biadoma; Richard Caffey
Subject: Re: Request for Price Quote for Accessories

Rene,

First off, thanks for the time you took to come down and inspect the Vac-Con.I realize having to spend that much time with Dick may be considered hazardous duty!

As far as your request:
Please review the pricing below. I made a mistake and the Lakos water separator which we discussed and I quoted at $1,300.00 is actually a cost of $2,000.00 but since I gave you the pricing already I will honor it.

The cost to you for the 9 yard debris body in lieu of 5 yard
is..... $2,000.00
The cost to you for the Lakos water separator
is.....
$1,300,00
The cost to you for the 400 Gallon per minute pump off system
is..... $7,800.00
Total increase for requested optional
items..... $
11,100.00

An additional option you may want to consider is the gravity drain system which allows the hydraulic pumpoff to pump the waste water back to the front of the truck.
This drain off consists of plumbing which is routed from the back of the truck to the front with gate valve and quick disconnect cam lock fittings.
Should you choose to add this option it is $1,450.00.

Hope this is what you needed. Please feel free to contact me with any additional questions I would be happy to help.

Sincerely,

Frank Wheeler III

Vice President
Municipal Maintenance Equipment

916-922-1101 Office
916-296-9490 Cell

----- Original Message -----

From: Rene Biadoma
To: dcaffey@sourcce-mme.com
Cc: fwheeler@source-mme.com
Sent: Tuesday, May 26, 2009 9:18 AM
Subject: Request for Price Quote for Accessories