CITY of NOVI CITY COUNCIL

Agenda Item 6
August 22, 2011

SUBJECT: Approval to purchase a 2012 Tymco 600 Comdex Regenerative Air Street Sweeper from Fredrickson Supply, LLC, in the amount of $206,540

SUBMITTING DEPARTMENT: Department of Public Services - Fleet Division

CITY MANAGER APPROVAL:

EXPENDITURE REQUIRED	**$206,540 ($186,540 net cost to the City)**
AMOUNT BUDGETED	**$200,000**
APPROPRIATION REQUIRED	**N/A**
LINE ITEM NUMBER	**101-442.20-984.000**

BACKGROUND INFORMATION:

Novi City Council appropriated $200,000 for the purchase of a replacement street sweeper in FY2011-12. This piece of equipment benefits the community by keeping roadways clear and limiting the amount of debris that enters the storm water collection system daily. According to the 2010 National Citizen Survey, 71% of Novi citizens believe the City does an excellent job providing this service. In addition, this service is listed as a key driver in the overall quality of Novi City Services. The price of the 2012 replacement Tymco Street Sweeper is $206,540.

The 2012 Tymco 600 street sweeper includes corrosion-proof features including a stainless steel hopper and stainless steel blower motor housing. These features are expected to improve the useful life of the new sweeper. The City's existing sweeper required new sheet metal where wet debris had significantly deteriorated the original metal.

The City of Grandville recently purchased an identical unit from Fredrickson Supply, LLC. We have reviewed Grandville's bid specifications and they comprehensively describe the sweeper that would meet the City of Novi's requirements and needs. Fredrickson has agreed to extend the same pricing to the City of Novi, and the City of Grandville has agreed to allow the City of Novi to use its bid with Fredrickson as a means of satisfying our procurement requirements (see attached City of Grandville specifications and letter).

Novi's existing 2005 Tymco 600 street sweeper will be used as a trade-in to offset the cost of the new sweeper. The trade-in value is $20,000, which staff finds acceptable for the age and condition of the current sweeper. The total cost of the sweeper to the City of Novi would be $186,540.

Delivery of the replacement sweeper is expected in 30 to 60 days of award. The existing sweeper will continue providing service until that time.

RECOMMENDED ACTION: Approval to purchase a 2012 Tymco 600 Comdex Regenerative Air Street Sweeper from Fredrickson Supply, LLC, in the amount of $206,540

	1	2	Y	N
Mayor Landry				
Mayor Pro Tem Gatt				
Council Member Fischer				
Council Member Margolis				

	1	2	Y	N
Council Member Mutch				
Council Member Staudt				
Council Member Wrobel				

FREDRICKSON SUPPLY

June 20, 2011

Becky Arold
Fleet Asset Manager/Analyst Planner
Department of Public Services
Field Services Complex
26300 Delwai Drive
Novi, MI 48375

RE: Tymco 600 Comdex Regenerative Air Street Sweeper

The Tymco 600 Comdex sweeper, mounted on a 2012 International 4300 chassis meets ALL of the attached specifications as required by the City of Grandville, MI.

Per our earlier letter, the price on the sweeper is as follows:

Sweeper	$206,796.00
Deduct Catch Basin Cleaner	*($2056.00)*
Sale Price	**$204,740.00**
***ADD** rear camera system (Pro-vision TV210 w/ 5" Monitor mounted in cab)*	*$1800.00*
Sale Price	$206,540.00
Less Trade of Novi Sweeper	($20,000.00)
Delivered Price of New Tymco Sweeper	**$186,540.00**

Should you have any further questions, please do not hesitate to contact us.

Regards,

Tom Fredrickson
Fredrickson Supply, LLC
tom@fredricksonsupply.com

Department of Public Works
4095 White St

Becky C. Arold
Fleet Asset Manager
City of Novi

The City of Novi may tie in to the Grandville bid price from Fredrickson Supply on a Tymco Street Sweeper.

Ron Carr
Director of Public Works
City of Grandville

The City of Grandville

Department of Public Works
4095 White St

Specifications for (1) Regenerative Air Sweeper

It is the intent of these specifications to describe a street sweeper in sufficient detail to assure that product reliability, design integrity, technical soundness and sweeping performance is provided. The unit provided shall be of current manufacture, and the model and series must have been in production a minimum of five (5) years. Bidder shall provide a list of 3 cities currently using the model as bid. All parts not specifically mentioned, which are necessary to provide a complete street sweeper, shall be included in the bid and shall conform in strength and quality of material and workmanship to what is normally provided to the trade in general.

DELIVERY

Delivery date to be listed on RFP. Bidder to give approximate delivery date from "date of award" to provide the listed date.
The unit shall be delivered completely assembled, serviced and ready to operate. The bidder shall have a qualified service representative in attendance with the sweeper during start up operation to make any adjustments and give instructions to assure proper operation of the sweeper.

The sweeper shall be warranted to be free from defective materials and workmanship for a period of 12 months or 1,000 hours from date of delivery.

The unit bid shall be a diesel powered regenerative air sweeper mounted on a diesel powered truck chassis.

COMPLIANCE TO SPECIFICATIONS

The bidder shall indicate his compliance with a "Yes" or non-compliance with a "No" for each line item specification. Any space left blank shall be considered non-compliance. Any deviations from the specification, or where submitted literature does not fully support the meeting of the specification, must be clearly cited in writing by the bidder, but no deviation below "minimum" specifications will be accepted.
Bidder to provide list of optional equipment included on machine bid.
Bidder to provide explanation for any line item where proposed machine is noncompliant.

MANUALS/TRAINING

Yes The bidder shall supply one sweeper operator and one sweeper parts and service manual and one set on CD with each unit.

Yes Manufacturer shall have available certifiable training course for complete maintenance and operation of sweeper. Manufacturer must have scheduled a minimum of 6 training courses per year for convenience of customers scheduling.

Yes Bidder shall provide operator instruction/safety/maintenance procedures on DVD with the unit.

PAINT - COLOR

Yes The entire unit shall be painted with manufacturers standard white paint applied over a suitable primer. Pick-up head, gutter brooms and truck frame shall be painted black.

POWER UNIT

Yes The Sweeper power unit shall be a diesel fueled, water cooled, turbocharged Tier-3 industrial engine. Piston displacement shall not be less than 275 cubic inch developing not less than 99 HP @ 2400 RPM and 261 ft. lbs. torque @ 1600 RPM. Engine shall be 4 cycle, 4.19 inch bore and 5.00 inch stroke.

Yes Cylinder construction shall be wet sleeve type.

Yes Spin-on replacement type oil filter.

Yes A fuel/water separator shall be furnished.

Yes 12 volt ignition, electric starter and minimum 95 amp alternator with charge indicator gauge mounted on control console in cab.

Yes Unit shall have an automatic shutdown system when coolant temperature is too high, coolant level is too low or oil pressure is too low.

Yes Unit shall share a 50 gallon fuel tank and batteries with chassis engine.

Yes Unit shall have a replaceable element, heavy duty dry type air cleaner.

Yes Injector pump shall have centrifugal type variable speed governor for speed control.

STAINLESS HIGH CAPACITY STEEL DUST SEPARATOR

Yes Separation of the dirt and refuse from the air stream shall be accomplished within the hopper by means of a multi-pass cylindrical centrifugal single chamber dust separator with a minimum size of 20" diameter and 61" width with two (2) skimmer slots to efficiently separate dirt. The separator shall be designed so that it will not plug with normally encountered debris.

Yes The stainless steel dust separator shall have a minimum 24" x 61" curved, easy to open door allowing inspection and cleaning of the interior. The door shall have an abrasion resistant bonded rubber lining material for long life.

Yes The entire dust separator inlet area shall be lined with a bolt-in replaceable, wear resistant rubber liner for long life.

Yes A 61" x 84" stainless steel hopper screen of not less than 13 gauge shall be provided to allow air to move freely from the hopper into the centrifugal dust separator.

Yes Filters and baffles not acceptable due to increased cost of replacement and cleaning.

STAINLESS STEEL HOPPER

Yes Hopper size to be approximately seven and three tenths (7.3) cubic yard volumetric measurement with an operating load capacity of not less than 6 cubic yards. Stainless Steel hopper shall be built out of chrome-nickel, non-hardening Austenitic stainless steel with a minimum chromium content of 18-20% and UNSS 20400 with a minimum content of 15-17%.

Yes Dumping shall be accomplished by means of hydraulically actuated cylinders attached to a rear door which shall have a minimum opening of 84" x 44" with a raker bar moving inside hopper as door is opened and closed to dump debris behind the rear wheels.

Yes Hydraulic cylinder movement shall be controlled with the use of an electric toggle switch located on the side of the hopper so discharging of debris may be viewed during dumping for maximum safety.

Yes The stainless hopper floor shall have a minimum of 22 degree slope.

Yes Hopper door shall be built of stainless steel and shall be opened and closed hydraulically and be held in the closed position by means of a lock valve located in the hydraulic dump circuit.

Yes A 9.75"x 29" stainless steel inspection door shall be provided on both left and right side of the hopper for easy viewing inside hopper and insertion of large debris.

Yes Hopper shall be maintained airtight through use of rubber seals on all doors and openings.

Yes Hopper suction inlet roof area shall have a bolt on replaceable wear resistant liner 3/8"x11"x10'.

Yes An amber high powered LED beacon light. The beacon light shall have a protective limb guard.

Yes Two (2) work lights shall be mounted at the rear of the hopper to illuminate the dump area.

Yes Two (2) LED amber flashing warning lights shall be mounted at the rear of the hopper.

Yes Abrasion protection package shall be furnished with standard hopper screen with screen baffles; protective hopper wall liners; suction nozzle liner; pressure wear pads; heavy duty pressure hose.

yes Hopper deluge system with high volume nozzles which attach to a fire hydrant to flush the hopper shall be furnished and shall include quick disconnect fittings on nozzle and filler hose.

Yes Hopper drain system shall be mounted on lower right panel of dump door; screen assembly hinges for easy cleaning on the inside of hopper.

Yes Hopper load indicator shall be provided with a sensor with audible and visual indicators in cab that signals full load.

HYDRAULIC SYSTEM

Yes The hydraulic system shall be adequate for use within the design requirements of the sweeper. The system shall include a minimum 25 gallon reservoir, sight gauge, temperature gauge, 80 mesh suction strainer, spin-on replaceable full flow oil filter, hydraulic cylinders, gutter broom drive motors, control valves, relief valves, oil cooler, hydraulic hoses and standard fittings.

Yes The hydraulic pump shall be engine mounted, gear driven by the auxiliary engine.

Yes Pressure shall be 2500 PSI maximum for gutter brooms and 1500 PSI maximum for pick-up head and dump door.

Yes Auxiliary hydraulic system shall be furnished to electrically operate the hydraulic system without auxiliary engine running.

BLOWER

Yes Heavy duty, wear resistant, high strength cast aluminum alloy turbine type open face blower computer balanced within 4 grams shall be provided to create air pressure and suction.

Yes Blower wheel shall be covered with wear resistant rubber for long life.

Yes Blower shall be mounted on self aligning anti-friction bearings, sealed and lubricated for life. If bearings are not sealed, then an automatic lube system must be furnished.

Yes Blower shall be driven from PTO off auxiliary engine by heavy duty power belt which shall be adjustable for tension.

Yes Stainless steel blower housing shall be a bolt on design and shall be lined with a bolt-in wear resistant, replaceable rubber liner for long life.

Yes Blower not to exceed 3000 RPM to insure smooth efficient performance.

PICK-UP HEAD - BROOM ASSIST

Yes A spring balanced all steel fabricated pick-up head with maximum length and width of 87" x 41" I.D. shall be provided.

Yes The pick-up head shall have a separate upper and lower chamber where pressurized air is blasted from upper chamber through an elongated blast orifice to street surface.

Yes Blast orifice flange shall be of bolt-on design so that flange is easily replaced and shall have adjustment mechanism so that blast orifice gap is easily adjusted without removing pick-up head from sweeper.

Yes Pick-up head shall have a 14 inch diameter (minimum) pressure inlet ring located on left side of pick-up head.

Yes A 14 inch diameter (minimum) pressure hose attached between pick-up head and blower housing shall be provided.

Yes A bolt-on pressure inlet ring with turning vanes shall be provided for efficient performance and easy service.

Yes A 14 inch diameter (minimum) suction hose, attached to a quick disconnect transition at the hopper, shall extend down to the right side of the pick-up head and shall be attached to the pick-up head suction nozzle ring which shall be constructed of 1/4 inch steel.

Yes Suction hose shall have a minimum 3/8 inch wall construction for long life.

Yes Pick-up head shall be equipped with 2" wide adjustable side mounted integral alloy steel and carbide runners for maximum pick up ability and long life. Skid runners to be warranted for 2 years/2,000 hours prorated. Runners shall be symmetrical for optimum life.

Yes Pick-up head shall be raised and lowered hydraulically by a single switch on the control panel.

Yes Pressure inlet ring shall be equipped with an adjustable pressure relief for optimum leaf and light debris sweeping; control shall be mounted inside cab.

Yes A broom shall be mounted at the rear of the pick-up head and shall be fully enclosed.

Yes Control of broom rotation and positioning shall be accomplished by a single toggle switch located on the control console in the cab.

Yes The broom shall be driven hydraulically at 230 RPM. A separate hydraulic pump will be provided for all broom functions.

Yes The broom shall be 79" long and 12" in diameter.

Yes Broom pattern shall be easily adjustable by mechanisms on the top of pick-up head.

Yes Nominal broom replacement time shall be 15 minutes.

Yes Design of broom suspension shall provide automatic independent adjustment of each broom end to the surface being swept.

Yes Two (2) hydraulic cylinders shall be incorporated to provide positioning and the independent suspension of the broom ends.

Yes Down pressure and broom pattern shall be hydromechanically controlled to provide maximum broom performance and life.

Yes Reverse Pick-Up Head System shall allow unit to back up without damage to pick up head.

Yes Hydraulic pick-up head front curtain lifter shall be provided to give the pick-up head the ability to sweep a large volume of light debris such as leaves, grass, paper, etc. without causing excessive debris accumulation at the pick-up head inlet. It shall be hydraulically controlled with a switch within the cab of the truck.

Yes A deluge system shall assist in cleaning the pick-up head area.

Yes Pick up head curtain set must be replaceable without removing the pick up head.

Yes For safety purposes and ease of operation, vacuum hose quick disconnect for clean out MUST be located at top of the hose

GUTTER BROOM(S)

Yes Dual gutter brooms shall be 43 inch minimum diameter, wire filled vertical digger type for removing debris from gutter area.

Yes Gutter brooms shall be hydraulic motor driven and shall be positioned laterally and vertically by one hydraulic cylinder.

Yes Gutter broom down pressure shall be automatically adjusted to load by a pressure sensing sequence valve inline with gutter broom torque motor.

Yes Each gutter broom shall have adjustment for bristle contact pattern and wear.

Yes Each gutter broom shall have lateral flexibility to swing rearward 15" when encountering the impact of an immovable object thus avoiding damage to the broom assembly.

Yes Each gutter broom shall have a spring adjustment to allow downward compensation for bristle wear and shall be free floating to follow street contour.

Yes Each gutter broom shall be held in the up and transit position by use of an electric lock valve attachment. Upward motion of gutter broom shall be regulated by an adjustable flow control valve.

Yes Each gutter broom shall be controlled from inside the cab by a single electric toggle switch.

Yes Each gutter broom shall additionally incorporate a hydraulically actuated tilt capability of 27 degrees, remotely controlled from the operator's seat to allow instant adjustment for debris removal from deep gutters (such as those resulting from multiple overlays of blacktop).

Yes Gutter brooms shall be variable speed and controlled from operator console inside the cab.

DUST CONTROL WATER SYSTEM

Yes Water tanks shall be 330 gallon capacity, constructed of recyclable polyethylene for strength and puncture resistance. Tanks shall be 100% rustproof and shall be of bolt-in design for easy removal. A water level sight gauge shall be provided.

Yes Water from tank to be filtered by 80 mesh cleanable filter located between tank and water pump.

Yes A belt driven pump delivering minimum of 3.5 GPM with a 1000 PSI system relief pressure and with an electronic solid state liquid level sensor to automatically shut off pump and turn on low water warning lamp when water is depleted.

Yes Electric solenoid water control valves shall be cab controlled. Spray system shall include spray nozzles to be located as follows: minimum of 4 on outside of pick-up head; 5 for each gutter broom; 1 inside hopper. Water nozzles to be located on outside of pick-up head and suction tube for easy inspection and superior dust control.

Yes Water tank shall have anti-siphon/anti-pressure filler neck with air gap.

Yes Flexible 20 foot (minimum) long water fill hose with 2½ inch coupling for filling water reservoir and hose storage rack shall be provided. Water fill hose shall include a stainless 100 mesh cleanable filter.

Yes Hi/low pressure wash down system with self-contained water supply; 25' high pressure, low volume wash down hose, a Cat 290 water pump (3.5 gpm with a 1000 PSI working pressure); a wand with trigger control and two 36" interchangeable lance lengths shall be furnished.

Yes High output water system shall be furnished with additional nozzles and deflectors strategically located to control extreme dust.

Yes An electric 12 GPM operated wash down system shall be supplied.

HYDRAULIC HAND HOSE EQUIPMENT

Yes For cleaning remote areas and catch basins, an auxiliary hand hose shall be provided. It shall be eight (8) inch diameter, 10 feet long and have a 52" long metal nozzle, serrated ring and two (2) 42" nozzle extensions. It shall be suspended from a hydraulic actuated boom and the capabaility to lift a 500 lb. maximum manhole cover. Power to control the boom (up/down), the auxiliary engine speed (up/down) and start/stop the auxiliary engine shall utilize a wireless control system. It will include a receiver mounted in the truck cab and two (2) transmitters – one is a hand-held fob and the other is box mounted on a quick release handle on the hand hose nozzle.

STORAGE COMPARTMENT

Yes A curbside mounted steel storage box shall be supplied for tools, etc., minimum dimensions shall be 14"x 16" x 36". The storage box shall have one hinged door on the curbside for ground level access. Storage box mounting requiring climbing for access is unacceptable.

AXILIARY ENGINE ACCESS

Yes Auxiliary engine shall be accessed without raising hopper.

Yes Access will be accomplished from the ground level by steel steps covered with anti skid grating and proper size grab handle to insure safe entry and exit from platform.

Yes A suitable size platform will be provided to allow safe access to auxiliary engine.

OPERATING CONTROLS

Yes All operating controls for sweeper (including dump control) shall be mounted inside truck cab and readily accessible to the operator in either right or left driving position.

Yes All main electrical systems, i.e. ignition, lights, hydraulic and water shall be separately fused to isolate electrical problems to fused area and speed service.

Yes Auxiliary engine controls and gauges shall be mounted on console panel and consist of, but not limited to, ignition switch, linear actuated throttle, oil pressure gauge, water temperature gauge, volt meter and tachometer.

Yes Sweeper controls, meters and gauges shall consist of, but not limited to, right gutter broom-left gutter broom, pick-up head, LED beacon or LED strobe light, water system and work light lighted paddle type switches, low water light, hour meter and leaf pressure knob.

Yes All external wiring, harnesses and terminations shall be of a sealed, weather-tight design utilizing heat-shrinkable components. Additionally, where feasible, all connectors shall utilize solid, cold-formed, nickel-plated copper alloy contacts with gas-tight crimps (Deutsch).

Yes Dump control shall consist of a single weatherproof toggle switch located on the exterior of sweeper just above the left side fender well as well as inside truck cab.

Yes Auto Sweep Interrupt (ASI) shall be furnished. It is an electronic circuit that is designed to accomplish the following sequence of operations when the transmission gear selector is placed into reverse with the ASI set in the Auto mode. 1) The auxiliary engine is idled. 2) The water system is turned OFF. 3) The gutter broom is stopped and raised. 4) The pick-up head is raised.

Yes Auxiliary Fuse Panel is a +12VDC fused power source panel for any needed additional electrical components or accessories i.e. radios, warning lights, controls, etc.

Yes A Whelen model TACF85LH LED arrow stick shall be mounted on the rear of the hopper with controls located inside the truck cab.

OPERATING/MAINTENANCE

Yes Where lubrication of the sweeper apparatus is required, an auto lube system must be provided.

Yes For lower operating cost, and extended Service Life there will be no exception to any of the stainless steel requirements in this specification .

CHASSIS

(International 4300-M7)

GENERAL

Yes Chassis/cab shall be conventional with a tilt hood. Frame to be straight full channel steel rails (50,000 PSI). Gross vehicle weight rating to be not less than 31,000 GVW. Curb weight with cab, fuel, water, oil and tires shall be approximately 9,550 lbs. Standard truck cab enclosed and equipped with tinted safety glass all around and two individual, adjustable, high back air seats with lumbar support and safety seat belts. (Sliding windows not acceptable.)

WARRANTY

Yes Total chassis coverage is 24-months/unlimited mileage.
Yes Engine (diesel) coverage is 36-months/150,000 miles.
Yes Drive train coverage is 24-months/unlimited mileage.
Yes Frame coverage is 60-months/unlimited mileage.
Yes Cab corrosion coverage is 60-months/unlimited mileage.

(Warranty coverage is 100% parts and labor unless otherwise noted as provided by chassis manufacturer.)

WHEELBASE

Yes Shall be minimum 165" and shall provide approximately 98" between back of cab and center of rear axle for proper load distribution and tighter turning radius.
Yes Special frame drilling and brake chambers relocation.

AXLES

Yes Front axle to be minimum of 10,000 lbs. with suspension of 10,000 lbs.
Yes Rear axle shall be 21,000 lbs. two-speed with a ratio of 6.17/8.42, suspension to be minimum of 31,000 lbs. vari-rate with 4,500 lbs. capacity multi-leaf auxiliary rubber spring.
Yes Body builders wiring to back of cab at frame

STEERING

Yes Dual operator controlled integral power steering with cruise control, tilt and dual gauge package.
Yes Diameter of steering wheels will be minimum 18".

BRAKES

Yes Service brakes to be full air with 13.2 cfm air compressor.
Yes Air tank drain valve, manual with pull cable.
Yes Front brakes shall be 15" x 3½".
Yes Rear brakes shall be 16½" x 7".
Yes Shall have automatic slack adjusters front and rear.
Yes Parking brakes shall be spring actuated, double diaphragm, 30" MGM Chambers air chambers, with warning light.
Yes Brake chambers, spring relocated to rear of rear axle for maximum ground clearance.
Yes 4-Channel anti-lock brake system shall be provided.
Yes A Bendix AD-9 air dryer shall be provided.

CAB

Yes Cab shall have in-dash chassis manufacturer's factory installed air conditioner for operator safety and comfort with a fresh air filter. After market air conditioners are unacceptable.
Yes Cab to have individual driver and passenger air suspension, high back adjustable seats with lumbar support, with cloth inserts.
Yes Tinted glass shall be provided.
Yes Dual sun visors, coat hook, storage pocket on driver door, cigar lighter, electric horn, electric windshield washer and 2 speed electric wipers with intermittent wiper switch shall be provided.

Yes Chassis shall be equipped with fresh air heater, defroster, dual 7" x 16" remote controlled heated electric powered mirrors, two separate 12" diameter parabolic mirrors.

Yes AM/FM stereo radio with CD player, weatherband and clock shall be provided.

Yes Right and left Instrument panels shall be flat, with full engine instrumentation.

ELECTRICAL

Yes Shall consist of two, multiple beam headlights with dash beam indicator, instrument panel, taillights, stop lights, front and rear turn signals, and self canceling signal switch, equipped for four way flashing. Taillights, stop lights and signal lamps may be in combination. Stop, turn and taillights shall be LED.

Yes Shall have two 12volt (1300 CCA total) maintenance free batteries.

Yes Shall have an 120 amp alternator.

ENGINE

Yes Shall be V8 turbocharged and air-to-air intercooled diesel with a minimum 220 HP at 2600 RPM, 390 cu. in (6.4L), 560 lb/ft torque @ 1400 RPM.

Yes Dual element dry type air cleaner with restriction indicator dash mounted.

Yes Automatic glow plug with indicator light shall be supplied.

Yes Automatic shutdown/over temperature protection engine coolant.

Yes Remote engine control wiring shall be supplied.

FUEL

Yes A 50 gallon steel tank shall be supplied and shall supply fuel to both engines.

TIRES AND WHEELS

Yes Heavy duty first line quality tubeless tires to be minimum 11R x 22.5, 14 ply rating with duals in rear for adequately carrying full load of sweeper and maximum stability.

Yes Wheels to be 10 hole disc 22.5 x 8.25 DC.

TRANSMISSION

Yes Shall be heavy duty Allison 2500RDS-P electronic, five-speed forward, one reverse, automatic, with external oil filter.

FREDRICKSON SUPPLY

May 9, 2011

Ron Carr
Director of Public Works
City of Grandville
4095 White St.
Grandville, MI 49418

Reference: Proposal for (1) Regenerative Air Sweeper

1 – Tymco 600 with Comdex Package mounted on a 2011 International 4300 Chassis

per City of Grandville specifications	$206,796.00
Less Trade-In Allowance – 1999 Elgin Street Sweeper	22,000.00
Total Net Bid	**$184,796.00**

Delivery two weeks after receipt of order.

Price includes delivery and complete operator & mechanic instruction.

The Tymco 600 meets all specifications as required by the City of Grandville, Michigan.

Fredrickson Supply, LLC

Tom Fredrickson

t 616 949 2385
f 616 949 2290
3705 Linden Ave. SE
Wyoming MI 49548
fredricksonsupply.com

Bid Tab

Sweeper 2011

Company Name	Bid Amount
Southeastern Equipment Co.	$ 162,500.00
Fredrickson Supply	$ 184,796.00
Bell Equipment Co	No Bid

REGENERATIVE AIR SWEEPERS

Becky C. Arold

Date: May 12, 2011

Fleet Asset Manager

Fleet Service Complex

26300 Delwal Drive

Novi, Michigan 48375

Please be advised that Fredrickson Supply is the sole source distributor in Lower Michigan, for all TYMCO products, including replacement parts and service.

Fredrickson Supply has an entire trained staff of professionals to assist TYMCO customers. This training includes parts and service, as well as new equipment specifications.

TYMCO is the original design engineering company to develop the regenerative air sweeper.

Over the past 40 years TYMCO has been the innovative industry leader in this technology.

Included in these years of experience, is also an outstanding safety record.

Customer satisfaction through low operating cost, productivity and safety, is a high priority at TYMCO.

These goals are best achieved when using original equipment replacement parts, throughout the equipment's operating life. All of these goals unfortunately can be lost, when using aftermarket replacement parts.

The owners of Fredrickson Supply have been in the Municipal Equipment business for 40 years; this in itself is a large accomplishment.

Fredrickson Supply continues to be a personal hands on organization.

TYMCO is very confident in the entire staff at Fredrickson Supply.

Walter Fitch

Region Manager

TYMCO Inc.

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