

**City of Swartz Creek
AGENDA**

**Special Council Meeting, Tuesday December 28, 2004 6:00 P.M.
City Hall 8083 Civic Drive, Swartz Creek Michigan 48473**

1. **CALL TO ORDER:**
2. **INVOCATION AND PLEDGE OF ALLEGIANCE:**
3. **ROLL CALL:**
4. **REPORTS & COMMUNICATIONS:**
 - 4A. [City Manager's Report](#) MOTION Pg. 4, 2-3
 - 4B. Fire Dept. Letter of Request, X-Fer Funds, Contract Excerpts (Agenda Item) Pg. 6-7
 - 4C. Dump Truck Bid Documents (Agenda Item) Pg. 8-31
5. **MEETING OPENED TO THE PUBLIC:**
 - 5A. General Public Comments
6. **COUNCIL BUSINESS:**
 - 6A. Fire Request, Transfer of Funds RESO. Pg. 4, 2-3
 - 6B. Appropriation, Purchase Dump-Salt Truck RESO. Pg. 4, 8-31
7. **MEETING OPENED TO THE PUBLIC:**
 - 7A. General Public Comments
8. **ADJOURNMENT:**

City of Swartz Creek
CITY MANAGER'S REPORT
Special Council Meeting of Tuesday December 28, 2004 6:00 P.M.

TO: Honorable Mayor, Mayor Pro-Tem & Council Members
FROM: PAUL BUECHE // City Manager
DATE: 27-December-2004

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BUSINESS

- ✓ **D.D.A. (Status)**
As you recall, my intention was to hold a special meeting prior to the end of the year.
- ✓ **FIRE DEPARTMENT REQUEST FOR LINE ITEM TRANSFER (Resolution)**
The Fire Board has requested a line transfer item from "Insurance" (#4920) to "Fire Equipment" (#4976). Section 16 of the agreement between the City and Clayton provides for governmental concurrence if any transfer exceeds 10%, either singularly or cumulatively. Attached is a letter of explanation for the use of the funds. I've included a resolution with tonight's packet.
- ✓ **APPROPRIATION, PURCHASE DUMP-SALT TRUCK (Resolution)**
We received a call from Graff Truck Division, on S. Saginaw, inquiring whether we'd have an interest in the purchase of a 5 yard dump truck equipped with snow removal equipment (under-belly-front plow and salt box). It seems the City of Flint bid and ordered 10 of these five yard dumps issuing a purchase order. They were ordered, built and delivered to the dealership. The City no longer wants the vehicles by virtue of an executive (Mayoral) order. The dealership needs to peddle the vehicles and is willing to do so at an even greater loss than the bid price. I'm assuming their intent is to litigate recovery of difference. In the meantime, they have offered the vehicles to area municipalities at a cost less than bid. Here is a short breakdown:

5 Yard Dump Truck, Original Flint Bid:	\$63,968
Added Equip, Front Plow, Underbody Plow, Salt Spreader:	\$24,436
Total (Flint Purchase Order)	\$88,404

Graff is offering the vehicles to area municipalities, out the door, for a total of \$65,000, a savings of \$23,404.

Included with tonight's packet are documents grouped "A through E". A refers to the original bid documents sought by the City of Flint in late 2003. B is bid returns and tabulations. There were two returns, Graff and C & S Motors, of Flint. C & S won the bid for 10 yard dumps, and Graff for 5 yard dumps. C represents Graff Dealership internal paperwork, invoices, order sheets, etc. D is an internal Graff document that shows the add on equipment for the vehicle. E is two City of Flint Purchase Orders, each ordering 5-five yard dumps. The bids for the actual dump trucks seem to be adequate and in order, but the add on equipment bid is a bit thin. At any rate, if we assume the purchase price is as bid, then the add on equipment (front plow, underbelly plow, salt spreader and other misc equipment) has a cost of \$1,032.

We had originally budgeted for the replacement of one pickup, an arrow board and a hot patch burner, totaling \$48,000. The arrow board we need to purchase later this spring. The pickup and the hot patch trailer can wait, if the Council desires to proceed with this purchase. I've prepared a resolution for consideration.

City of Swartz Creek
RESOLUTIONS
Special Council Meeting, Tuesday December 28, 2004 6:00 P.M.

Motion No. 041228-4A CITY MANAGER’S REPORT

Motion by Councilmember: _____

I Move the Swartz Creek City Council approve the City Manager’s Report of December 28, 2004, to be circulated and placed on file.

Second by Councilmember: _____

Voting For: _____

Voting Against: _____

Motion No. 041228-6A FIRE REQUEST, APPROVAL TO TRANSFER FUNDS

Motion by Councilmember: _____

I Move the Swartz Creek City Council approve the request of the Swartz Creek Area Fire Board, to transfer an amount not to exceed \$7,500 from account #4920, Insurance, to account #4976, Fire Equipment, for the 2004 Fire Fiscal Budget and in accordance with the 2004-2006 Swartz Creek – Clayton Township Fire Agreement.

Second by Councilmember: _____

Voting For: _____

Voting Against: _____

Motion No. 041228-6B APPROPRIATION, PURCHASE 2005 GMC 5 YARD DUMP TRUCK

Motion by Councilmember: _____

Whereas, Graff GMC Trucks, of 1401 South Saginaw, Flint, has an overstock of 2005 GMC 5-yard dump trucks, and

Whereas, said trucks had been bid, awarded, built, dealer delivered, purchase order drafted and invoiced to the City of Flint, and

Whereas, by an executive order, the City of Flint decided not to take delivery of said vehicles leaving Graff GMC with an overstock and an immediate need to sell the vehicles, and

Whereas, Graff has offered the vehicle(s) to other area municipalities, including the City of Swartz Creek, at a cost further discounted by the dealership as a means to reduce their inventory, and

Whereas, the vehicles were bid by the City of Flint under bid #30000265, Graff GMC Truck being the low and awarded bidder at a total cost of \$88,404 per vehicle, which includes a 2005 GMC 5 yard dump truck, front plow, underbody plow, rear salt spreader, and other misc. equipment installed, and

Whereas, Graff has offered the vehicle at a total cost of \$65,000 to the City, and

Whereas, notwithstanding the cost savings to the City, City Ordinance encourages, and allows for cooperative purchases, said purchase being a competitive process with further discount from the original bid price,

Therefore, be it resolved that an amount not to exceed \$65,000 be appropriated from fund 661, for the purchase of the within described 2005 GMC 5 yard dump truck, and accessories, from Graff GMC, and further, direct the Mayor and City Clerk to execute drafts necessary for the purchase.

Second by Councilmember: _____

Voting For: _____

Voting Against: _____



Swartz Creek Area Fire Department

Serving Clayton Twp. and Swartz Creek Since 1925
8100 B Civic Dr., Swartz Creek MI 48473-1376 • phone: 810-635-2300 • fax: 810-635-7461

December 22, 2004

To: City of Swartz Creek
Clayton Township
From: Kim Borse, Acct/Clerical Specialist *P*
Re: Line Item Transfers

By the Swartz Creek Area Fire Board resolution #122004-09, the Fire Department would like to transfer \$7,500.00 from account 4920 Insurance to account 4976 Fire Equipment, in order to purchase turnout gear, helmets, hoods, gloves, and boots needed for the new hires and replacement gear.

Municipality approval is needed for this transfer as it is outside the 10% staff is allowed to transfer without municipality approval. The Fire Department respectfully requests the municipalities add this item to their special meeting agendas and notify the Fire Department of the outcome, as it needs to be resolved before December 31, 2004.

Thank you for your consideration in this matter.

14. All of the assets of the Board shall be housed at the fire halls designated within paragraph 5 of this Agreement in such quantities, as shall within the discretion of the Board provide maximum efficient fire protection services for the areas to be provided such service.
15. The Board shall provide for the keeping of books and records regarding its operation. The keeping of such books and records shall conform to generally accepted accounting principles. The board shall provide for an annual audit of its revenue and expenditures and through the services of a certified public accountant of its choice and shall have served upon the City and the Township a copy of such audit.
16. The Board shall prepare an annual proposed budget, using January 1 to December 31 as its fiscal year, of its anticipated needs and shall forward same to the City and Township for approval by each. Such proposed budget shall be prepared and submitted as hereinafter provided sixty (60) days prior to December 31st of each year. Upon approval by the City and Township each shall appropriate its share as hereinbefore provided, of needed revenues for transmittal to the Board for its use. The Board shall not exceed the budget as approved by the City and Township without express prior approval by the City and Township who, concurrent with such approval shall appropriate such sums as are necessary to finance such budget. Once approved the Board shall expend funds pursuant to the adopted budget; provided, however, the board shall have the authority within a single year, without the approval of the City and Township, to amend line item expenditures not to exceed ten percent (10%) of the amount budgeted at the beginning of the fiscal year, so long as the total budget is not exceeded. Line item budget amendments exceeding ten percent (10%) singularly or cumulatively in a single fiscal year shall require approval of both the City and Township.
17. Except as to the labor costs attendant with each fire run, the entire cost of providing fire protection services as agreed to herein shall be borne by the City and Township equally. As to labor costs attendant with each fire run, it is hereby agreed that such cost shall be borne solely by the party, City or Township, wherein the service is provided. Such costs shall be provided for in budget required by paragraph (16) hereof.
18. The City and Township herewith agree that each will appropriate such sums as are required, pursuant to the budget presented by the Board and approved by the City and Township, and that once approved such sums as each are required to contribute shall be a debt of each notwithstanding any subsequent disagreement between the parties.
19. The Board shall conduct its business by and through the name "Swartz Creek Area Fire Department."
20. This Agreement shall remain in force and effect for a period of two years from and after the effective date provided herein. Effective date of this Agreement is April 1, 2004.
21. The expiration of this Agreement upon the passage of two years as provided in paragraph 20, above, shall not operate to relieve the City or the Township of its financial obligations hereunder. The financial obligations of each pursuant to this Agreement shall continue until all termination activities set forth in paragraph 22, below, are completed.
22. Upon termination hereof the Board shall proceed as follows:

December 21, 2004

RE: Graff Truck

Dear **Paul**,

I have been contacted by Graff truck center asking if the city would be interested in purchasing a 2005 GMC dump truck for \$65,000. This price is approximately \$20,000 below list price. The reason we can purchase this truck at below list price is because these special order vehicles are overstocked. The City of Flint had ordered a small number of these trucks but has decided not to accept them. As such, they are being offered to local municipalities for a more wholesale cost.

The specs on the truck are equal to or exceed specs that the City of Swartz Creek would require. Documentation from Graff and the City of Flint is available detailing the specs and costs.

The City can fund a dump truck through the motor vehicle fund as budgeted this fiscal year for the purchase of two new pickup trucks. Since this specific offer provides such savings, it would be prudent to hold off on the pickups and replace one of the older dump trucks (#9 or #10), as they are deteriorating quickly with age. The cash value on the sale of one of these dumps should yield \$10,000-\$15,000. As such, it is my opinion that such an addition to the motor pool would be an enormous and efficient benefit to the City.

Model Specs:

GMC 8500
CAT C7 Diesel 7.2 Liter In-line Six
Auto Transmission
All Warning Lights
Air Trap System
12' Underbody Scraper
Tailgate Spreader
Front Plow

Price Specs:

Bid Price	\$84,110.93
Graff Offer	\$65,000.00
Truck Sale	-\$10,000.00
City Cost Est.	\$55,000.00
Savings	\$19,100.93

Thomas Svrcek

Director of Public Services



GRAFF TRUCK CENTERS, INC.

3431 WOLF RD.
 PO BOX 14229
 SAGINAW, MI 48601
 (888)802-3100
 (989)752-3100
 (989)752-9887 FAX

WWW.GRAFFTRUCK.COM

FAX COVER

DATE: 12-20-04

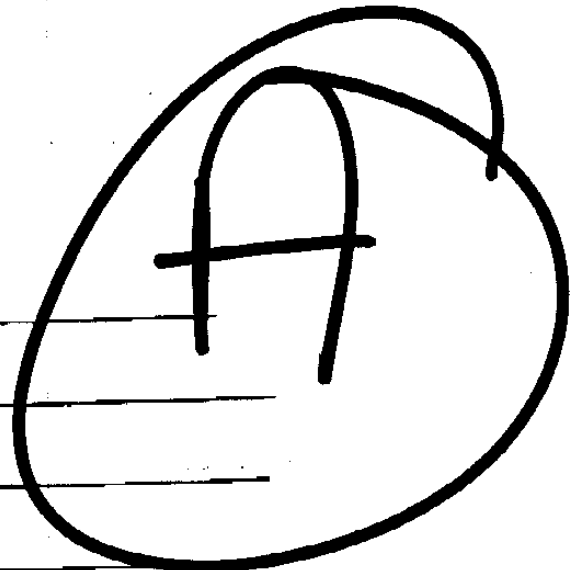
TIME: 2:30 pm

FAX#: 810 635 2887

NUMBER OF PAGES + COVER SHEET: 14

TO: Tom

FROM: Rob



COMMENTS:

*This is for the original bid with
 no plow, scraper, spreader we added
 that stuff after receipt of order. You
 can see the price difference between
 us and c+s. for chassis. Any questions
 feel free to call. Thank you!*

Rob 989 239 2777

VOLVO

GMC



DEPARTMENT OF PURCHASES AND SUPPLIES

(ORIGINAL
BID)

Derrick F. Jones
PROVISIONAL DIRECTOR/
CONTRACT COMPLIANCE OFFICER

INVITATION TO BID

(Prices on
Addendum on
front page)

OWNER:

THE CITY OF FLINT
DEPARTMENT OF PURCHASES AND SUPPLIES
1101 S. SAGINAW ST., 3RD FLOOR
FLINT, MI 48502

BID NO.: 30000265

SCOPE OF WORK:

The City of Flint, Department of Purchases & Supplies, is soliciting sealed bids for providing:
5 and 10 YD DUMP TRUCKS

Per the attached additional requirements.

If your firm is interested in providing the requested goods or services, please submit your detailed bid to the City of Flint, Department of Purchases and Supplies, 1101 S. Saginaw St., Third Floor, Flint, MI, 48502, by NOV 13 2003 @ 3:00 PM (EST). Please note: all detailed bids received after 3:00 PM (EST) will not be considered. Faxed bids are not accepted.

The City of Flint may hold bids for a period of sixty (60) days from opening, for the purpose of reviewing the results and investigating the qualifications of bidders prior to making an award. The City of Flint reserves the right to waive any irregularities and accept or reject any or all bids submitted. Bidders located within the corporate city limits of Flint, Michigan may be given a five percent (5%) competitive price advantage.

Please provide duplicate copies of all submitted documents.

It is the City's policy to improve participation of Minority/Women Enterprise Commitment Form(s). The form(s) should be submitted to the Contract Compliance Office with five (5) working days after the opening of the bids. Please contact the Purchasing Department for additional information.

The City reserves the right to waive any irregularities and accept or reject any or all bids submitted.

The City is an equal opportunity employer.

City of Flint, Michigan
Department of Purchases & Supplies
Fleet Management Division

Specifications for

Chassis for 5yd Single Axle Dump Truck

APPLICATION

2004 Single Axle 35000# GVW Truck Chassis to accommodate 10' Dump Body

ENGINE

250HP @ 2200 RPM 800#/Ft Torque @1400 RPM 7.2L (442) HEUI I6 3126E Caterpillar Diesel Engine

ENGINE EQUIPMENT

Federal Emissions

DAYCO 200 Series heated fuel and water separator with water-in-fuel light in dash

13.2 CFM 2-CYL water cooled air compressor

Heavy duty horizontal flow increase capacity radiator

1500 Watt engine block heater, located left side under driver's door

Heavy duty dual element air cleaner

750CCA Delphi dual batteries (1500 total CCA)

Remote jumpstart block under hood

130 Amp alternator

Re-settable circuit breakers

Automatic engine shut down & alarm with override feature

Air cleaner restriction gauge in dash

DEX-Cool long life coolant

1.2 KW inlet heater located in air inlet for cold starting

Constant tension spring clamps on radiator & heater hoses

PTO

Column mounted electronic activation switch for PTO

Provisions for front power take off with 3" clearance (no radiator cut outs)

TRANSMISSION

6 speed MD3560P WR Allison automatic trans with O/D

Trans oil cooler in radiator

Instrument panel mounted push button control, with indicator in dash cluster

Electronic trans low fluid level indicator in dash

Trans temp gauge

FRONT AXLE & SUSPENSION

12000# front axle

Oil lubricated front wheel hubs

12000# Multi-leaf front suspension with silicone filled bump stop spacers

11R22.5 14-ply Michelin brand front tires
Premium highway front tire tread

REAR AXLE & SUSPENSION

23000# EATON Fuller single speed rear axle
Driver control differential lock
6.14 Axle ratio
23500# Multi-leaf rear suspension with silicone filled bump stop spacers
Rear shock absorbers
22.5" x 8.25" Accuride hub piloted steel wheels
11R22.5 14-ply Michelin XDY-2 traction direction rear tires

CHASSIS & FRAME

35000# GVW
80000 PSI yield frame rails, 2,239,600 RBM, 20.36 cu in section modulus
Dog bone style crossmembers with a minimum of 8 bolts per side
Inverted frame reinforcement, integral from front bumper past rear spring hangers
Front tow hooks
Steel front bumper
178" Wheelbase \ 102" CA
Single horizontal left hand exhaust system with aluminized piping

BRAKE SYSTEM

Air brakes with 15" x 4" front 16.5" x 7" rear cast iron drums
Front & rear dust shields
Dual air pressure gauge located in dash
Low air pressure warning light \ alarm
Front & rear auto slack adjustors
Air dryer (Model #AD-IS w/auto air moisture ejector)
Manual drain lanyard
Full trailer brake control including 7 wire full trailer wiring harness and airlines to rear

CAB INTERIOR/EXTERIOR

Steel cab and doors, mirrors mounted on cab cowl
Tangier orange exterior
Dark charcoal vinyl interior
Dual trumpet single air horn
Fixed stationary grill
Dual heated, manual, brake-away, molded composite, integral mirrors with single mounting arm
Air suspension, high back, bucket driver seat with lumbar support
Dual occupant passenger seat with fold down center seat storage and under-seat tool box
Wrap around style dashboard for driver accessibility

WARRANTY

Chassis- 2 year unlimited miles
Engine-
Transmission-
Frame, Rails & Crossmembers- 5 years unlimited miles

- Tailgate panel shall be constructed of a one piece sheet of 3/16" high tensile steel for added strength.
- All horizontal bracing, including top rail, shall be dirt shedding using large radius die.
- Six panel tailgate design (One horizontal center brace And Two Vertical Braces).
- Minimum 1" flame cut offset upper tailgate hinge with 1-1/2" upper tailgate pin. Minimum 1-1/4" lower tailgate pin incorporated in lower vertical tailgate brace for added strength.
- Minimum 3/8" diameter proof coil spreader chains double acting.
- 5/8" lower latch assembly. 3/4" plate flame cut lower pin cradle. Complete tailgate latching assembly reinforced with a 1/4" backing plate for added strength.
- 100% fully solid welded construction.
- Air tailgate latching and unlatching performed by air-operated cylinder.
- Tailgate latching to utilize over center locking to keep tailgate securely locked even when air pressure to locking cylinder is locked.
- Air tailgate control valve to be manually operated and located inside cab.

FRONT HEAD:

- Front head panel shall be constructed of a one piece sheet of 3/16 ga. high tensile steel. Three bend top rail (minimum 3" wide, 2" deep with a 7/8" return flange).
- Front head to be a minimum 8" higher than the side height. 100% fully solid welded construction.

FLOOR:

- Shall be constructed of two center seam welded pieces of 1/4" AR-400 plate.
- 84" inside width Bevel Plates floor to side bracing.
- Floor to side attachment shall be a minimum 8" 45 degree knee brace to maximize floor to side support.

SUB-FRAME:

- Under-structure shall be a fabricated cross-memberless design.
- Long-members to be two 10" fully boxed deep flared longitudinals made of a minimum 3/16" cor-ten steel for superior corrosion resistance.

HOIST:

- Hoist system to be a single cylinder dual support arm hoist design with a 1,500-psi relief pressure.
- Maximum 8" nominal diameter double acting cylinder with a minimum 21" stroke.
- Cylinder's piston rod must be a 2 3/4" Chrome plated (Vickers, DPH 900-1100) rod to prevent weathering and increase the life of cylinder's packing.
- Hoist must supply a minimum 50-degree dump angle.
- Hoist to have a minimum NTEA Class 50 rating with a lifting capacity of no less than 17.1 ton with a 10' foot body.
- Hoist frame to be constructed of minimum 5/16" steel.
- Hoist frame's front and rear cross-members are to be fully gusseted for added strength.
- Rear hinge assembly (pin, body hinge and hinge bearings) shall be of a dissimilar metal design to reduce wear.

MANUALS & TRAINING

Complete set of owners manuals

2 Keys per unit

1 day of training at garage location on chassis & equipment

DUMP BODY

GENERAL:

- The dump body shall be Heil Duraclass LH-316 with a Heil 1821 hoist or approved equal heavy duty municipal body to be used on a single axle chassis. The hoist shall be an arm type hoist. (Roller Combo hoist not acceptable).
- The complete dump body, hoist, and cylinder package must be supplied by a single manufacturer and be a proven standard production model. Literature must be supplied for the body and hoist being submitted for approval.

DIMENSIONS:

- Body Length 10'
- Body Width 84
- Body Capacity 6-8 Cubic Yds.
- Side Height 28"
- End Height 38"

MATERIAL:

- Sides 3/16" High Tensile
- Side braces 8 Gauge High Tensile
- Tailgate 3/16" High Tensile
- Front Head 3/16" High Tensile
- Floor 1/4" AR-400 Plate
- Sub-frame: Crossmemberless
- Longitudinals: 3/16" Cor-Ten
- Rear Apron 10 Gauge High Tensile
- Rear Corner Post 10 Gauge Cor-Ten

SIDES:

- Top rail shall be box section 4-5/8" wide x 8-3/8" tall the Centerbend shall fold back at 20 degrees at top and bottom to bend back at 35 degrees from horizontal. No seam shall be visible to outside or bottom of top rail.
- Side panels shall be constructed of 10 gauge high tensile steel, all exposed bends shall be 1" radius.
- One full length horizontal self cleaning brace per side brace with a minimum 4-1/2" front face with 1 1/2" exposed radiuses extending 3-1/4" in depth to a 9" flared back.
- The front corner post shall be 3-7/8" deep.
- 5-1/2" inch wide 35 degree sloped rub rails.
- Rear corner post minimum 10" wide by 5-1/2" deep full depth to house lighting.
- Board pockets 8" high 100% fully solid welded construction.

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to provide maximum welding surface area and strength, the rear hinges shall be a flame cut fabricated platform type hinge with a 1/2" top plate and a minimum 6" wide x 10" long.

- Hinge block width at pin pivot point to be a minimum of 2 1/2".
- Rear hinge pins shall be a minimum 2" diameter and designed not to rotate to reduce wear.
- Rear hinge blocks will be supplied with grease zerks for direct lubrication.

MISCELLANEOUS:

- Tailgate spreader chain kit Double acting
- Stop/Tail/Turn light cutouts in rear corner post
- In cab body up warning light
- Approved body prop
- Back up alarm
- 1/2 Cab protector
- Body vibrator Vibco DC-3500 electric operated with controls in cab.

SEMI-AUTOMATIC ELECTRIC DUMP BODY TARPING SYSTEM:

- Semi-Automatic dump body covering system, Aero Industries Model 500 or approved equal.
- Power Plus Electric motor driven retraction system with 3 year non-prorated (3) year warranty.
- Motor to be 12 volt d.c. 1/4hp.
- Motor to be direct drive to right angle gear box with hardened and ground steel gears.
- Cab operated rotary switch.
- The arms shall be powered by (2) chromium vanadium torsion springs mounted underneath the dump body. The springs must have the ability to be pre-loaded with tension.
- The spring wire diameter shall be 1/2".
- The arm assembly shall consist of (5) pieces of high strength, high yield steel tubing: (1) 12 gauge, 1-5/8" O.D. steel tubing connecting corners. The connecting corners must have a larger outside diameter than the side swing arms and the rear cross arms.
- The arm section shall telescope to allow for length and width adjustment, and must be easily replaceable.
- The roll-up bar assembly is to be two (2) pieces to allow for width adjustment.
- The roll-up bar shall be 3/16" steel with high-speed flanged, pre-lubricated bearings.
- A two (2)-piece adjustable aluminum wind deflector is to be secured to the roller assembly mounting plates.
- Length to be adequate to properly cover dump body.
- The tarp material shall be a RFL dipped, chemically treated fabric, suitable for covering asphalt.
- The tarp is to finish nine (9) feet wide.
- The tarp shall have a series of shock cords attached to the tarp, so the tarp's width will constrict enough to fit on the roll-up bar.
- All sewing is to be locked stitched; chain stitching is not acceptable.
- A minimum of two (2) polyester 2" webbing reinforcements is to be sewn to the tarp longitudinally for stability.
- All steel components are to be painted a metallic gray.

HYDRAULIC SYSTEM

HYDRAULIC PUMP: (Parker PGP020)

- Pump shall be a heavy-duty needle bearing type positive displacement gear pump.
- Pump to be cast iron three-piece rebuildable Parker PGP020 series gear pump with a flow rate of 15.4 gpm at 1000 engine rpm.
- The pump shall have a 1" keyed shaft with an outboard bearing to handle any side load that the pump will see.
- The pump shall have a minimum of 1 ½" I.D. SAE 100-R4 suction line.

LOW OIL SHUT DOWN SYSTEM:

- A hydraulic valve of a cartridge design will divert the system oil flow to the reservoir, in the event of a low fluid level. 2 two position, three way, spool type solenoid valve capable of stopping oil flow to hydraulic system when actuated shall be mounted directly to the hydraulic pump discharge port. The valve shall be rated for 60 GPM.
- The manifold assembly must also incorporate a high-pressure relief valve to protect system from over pressurizing during the shut down operation.
- The return line will be plumbed directly to the system reservoir.
- This solenoid valve shall be wired to an in-tank mounted float type level indicator rated at 3-amps and mounted from top of reservoir.
- System shall be designed so when float contacts close, solenoid valves stops pump flow to the system and enunciator in the cab alerts the operator.
- There shall be a low oil control panel mounted in the cab that will have a low oil override switch to de-energize the shutdown system to facilitate diagnostics and equipment storage.

MOUNTING:

- The hydraulic pump shall be mounted with shaft centerline parallel to the engine crankshaft centerline and at a level to create not more than a three-degree angle on the driveline.
- The pump mounting shall be incorporated with a bracket fabricated to mount in the extended frame rails of the truck.

DRIVE LINE:

- The hydraulic pump shall be driven directly off the engine crankshaft via a splined driveline to allow for movement.
- The driveline shall include grease fittings on both u-joints.
- Driveline shall be a Spicer model 1310 series.

RESERVOIR/ VALVE ENCLOSURE:

- The hydraulic reservoir will be of 35 gallons nominal capacity.
- The hydraulic reservoir will be constructed of 10-gauge steel and be internally baffled.
- Mounting bracket is to be designed and supplied by the reservoir supplier.
- Mounting system should allow for a 1" frame clearance for frame obstructions.
- Shall be mounted in a manner as to not transmit any truck torsion loads thru the tank.
- The enclosure will use a gasket-less passive technology. (No rubber seals, gaskets, or weather stripping.)
- The enclosure lid will be removable within seconds by one person without the use of tools.
- All valve fittings, hose ends, filter, filler breather, sending units and any electrical

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Connections are to be protected by enclosure cover.

- The reservoir supplier will provide all valve fittings (JIC connections) and plumb the return line from the valve to the filter.
- The cover will protect from both road and pressure washer spray.
- The use of bulkhead fittings is not permitted.
- The directional control valve must be easily accessible from all (6) sides without the use of tools.
- Hose exit and entrance must allow for components to be mounted adjacent to the enclosure.
- A 2" full flow brass ball valve shall be plumbed at the suction port of the tank.

FILTER:

- Hydraulic oil filter shall be mounted in the reservoir.
- Hydraulic filter shall be a 16-micron absolute and rated for no less than 60 GPM.
- Filter shall be a TEF31016VG16SP-UG60E115 or prior approved equal.
- The filter will come with both a visual and electrical bypass indicator.
- A warning light shall be mounted in the cab and wired to the electrical indicator.

VALVE CONTROLS:

- The valve controls shall be a feathering remote air control with air shift actuators for valve.
- The hoist control shall be a single axis control with lock in the center position to prevent accidental actuation.
- It shall be mounted in a tower next to the driver.
- The plow and wing controls shall be multiple single axis controls stacked together in a swivel pedestal that will allow for either driver or wing man operation.
- There shall be a Pressure Protection Valve to protect against loss of pressure in the primary system caused by a broken line or an air leak somewhere in the auxiliary system.
- There shall also be a FLR (filter, lubricator, and regulator) plumbed into the auxiliary air system to protect the air controls from contamination and being over pressurized.
- All the air tubing will be color coded to identify each individual hydraulic function.

CONTROL VALVE:

- Control valve shall be U.S. manufactured.
- Valve shall be a load sensing type with o-ring ports.
- Mid-inlet section porting will be #16 inlet, #20 outlet, #16 hoist section, #4 load sense port.
- The hoist section shall be stacked to one side of the mid-inlet and all other sections will be stacked on the other side.
- All ports shall be level with each other so as to lay flat on its base.
- There will be a main relief in the mid-inlet section that will be set at 3000 psi to protect the system from being over pressurized.
- Valve sections to be arranged as follows:
- Hoist, 4-way for a double acting with down side work port relief set at 500 PSI.
- Mid-inlet transition section, with system main pressure gage.

HYDRAULIC LINES AND PLUMBING:

- All hydraulic lines and plumbing shall be of sufficient capacity so as not to create heat or turbulence within hydraulic system.
- Suction line between reservoir and pump shall be a minimum of 2 in. I.D. with a minimum

hose clamps unacceptable.

- All pressure hoses, including signal sense to pump shall have swivel fittings on both ends and have a minimum SAE 100-R2 rating.
- Return lines and case drain shall have minimum SAE 100-R1 rating.
- Hydraulic lines shall be routed to minimize interference with equipment and chassis components requiring periodic servicing.
- Support brackets, grommets, and tie wraps shall be provided where appropriate to protect lines from damage by abrasion, cutting or impact. Hoses shall not be routed near exhaust manifolds pipes, bolts, sharp edges, and exhaust system to prevent wear, fatigue, or fire.
- Pipe fittings shall not be used in any high-pressure line.
- Maximum distance between support clamps on all hydraulic lines shall be 24in.

SWITCH PANEL:

- Multiple switch panel to control the operation of the snow plow lights, strobes lights, work light and body vibrator.
- Indicator light for "Body Raised" included in switch panel.
- "Low Hyd. Oil" indicator and warning alarm to be included in panel.
- All switches and lights to be accurately labeled with illuminated legends.
- Legends to be illuminated whenever vehicle ignition is on. When switch is turned on the legend illumination is to brighten 10x the level for distinguishing what functions are on.
- Switches to be combination magnetic circuit breaker/switches. Lifetime guaranteed.
- Switches to be rocker type operation.

PAINT:

- Cab Color - Tangier Orange
- Chassis - Black high Solids Polyurethane
- Dump Body - Tangier Orange

DUMP BODY VIBRATOR:

- Vibco model DC- 3500-2000.
- Mounting plate to be welded directly to body below floor.
- Vibrator bolted to mounting plate.
- Power and ground cables protected in loom.
- Cable minimum size to be #4 AWG rating.
- Cable protected in conduit and secured with rubber insulated clamps bolted to body chassis frame.
- Control to be a momentary push button switch located in cab switch panel for easy access for driver.
- A solenoid to provide power to vibrator is to be located in a protected location.
- Circuit breaker in power cable circuit, as close to battery as possible, to be installed.

The successful bidder must comply with all requirements and pay prevailing wages and fringe benefits on this project per the City's Resolution R-12 adopted 4/8/91.

Pursuant to the requirements of 1976 P.A. 453 (Michigan Civil Rights Act) and 1976 P.A. 220 (Michigan Handicapped Rights Act), the local unit and its agent agree not to discriminate against any employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment or a matter directly or indirectly related to employment because of race, color, religion, national origin, age, sex, height, weight, marital status or because of a handicap that is unrelated to the person's ability to perform the duties of nondiscrimination provision identical to this provision and binding upon any and all contractors and subcontractors. A breach of this covenant shall be regarded as a material breach of this contract.

All materials furnished must be new, of latest model and standard first grade quality, or best workmanship and design, unless otherwise expressly specified. Bidder, if required, must furnish satisfactory evidence of quality materials, offers of experimental or unproven equipment may be disregarded.

Bidder shall protect against expense of any nature, shall bear costs of any suits which arise, and shall pay all damages which may be awarded against the City for the use, under this specification, of any patented device, process, apparatus, material or invention.

Bidder is not permitted to take advantage of any obvious errors or omissions in specifications.

The City reserves the right to reject any or all bids, or split awards by items, unless otherwise stipulated, or to accept any bid which will best serve its interests.

The Director shall not knowingly accept the bid of a vendor /contractor who is in default on the payment of taxes, licenses, fees or other monies due the City. Purchase agreements with bidder who are found to have been in default at the time of award of such agreement shall be voided.

The bidder acknowledges that by signing this document that he/she is duly authorized to make said offer on behalf of the company he/she represents and that said bid is genuine and not sham or collusive and not made in the interests or on behalf of any person not therein named, and that he/she and said bidder have not directly induced or solicited any other person(s) or corporation to refrain from responding to this solicitation and that he/she and said bidder have not in any manner sought by collusion to secure to himself/herself and said bidder any advantage over any other bidder.

Any questions regarding this bid shall be directed to Mike Brown @ (810) 766-7079.

Sincerely,


Angela R. Wagoner
Department of Purchases & Supplies

COPY



Graff With - Knapheide Equipment 1 of 2

"See next page" also

CITY OF FLINT
DEPT. OF PURCHASES & SUPPLIES
REQUEST FOR BID
REVISED (11/25/03)

REQUIREMENTS FOR BID #3000265

Instructions:

Please complete the chart below and submit as part of your bid. The City is requesting that if there are any exceptions to the specifications that they are noted and submitted with your bid. For more information contact Ron Hammond @ (810) 766-77165 ext. 2601.

Description	Qty	Unit Cost	Ext Cost
Heavy 10-12 yd Tandem Axle Dump Truck/without underbody scraper, front plow, and salt spreader	2	85,493	170,986
Heavy 10-12 yd Tandem Axle Dump Truck with underbody scraper, front plow, and salt spreader	1	116,035	116,035
5 yd Single Axle Dump Truck	2	63,968	127,936

Cash discounts will be computed from the date of receipt of invoice. Prices firm unless stated otherwise by bidder. *Delivery can be made in ⁹⁰⁻¹²⁰ (4) days after receipt of order.

Terms: NET 30/1500 Disc. for prompt pay. Delivered on chassis arrival - per unit

COMPANY NAME: Graff Truck Centers, Inc

ADDRESS: 1401 S. SAGINAW ST.

CITY/STATE/ZIP: Flint, MI 48503

PHONE: 989 239 2777 FAX: 810 239 8561

FEDERAL TAX ID:

SIGNED: Robert Cloney

Please submit original bid plus one copy.

Bid results are available the next working day by calling 810-766-7340 x#6, or you may view them online at cityofflnt.com/purchasing.

*You must fill in the amount of days for delivery of vehicles.

1101 S. Saginaw St., 3rd Floor Flint, MI 48503 Ph: (810)766-7340 Fx: (810) 766-7240

B



FROM CANNON EQUIPMENT CO.

CITY OF FLINT
DEPT. OF PURCHASES & SUPPLIES
REQUEST FOR BID
REVISED (11/25/03)

REQUIREMENTS FOR BID #3000265

Instructions:

Please complete the chart below and submit as part of your bid. The City is requesting that if there are any exceptions to the specifications that they are noted and submitted with your bid. For more information contact Ron Hammond @ (810) 766-77165 ext. 2601.

D
Snow
#2719

Description	Qty	Unit Cost	Ext Cost
Heavy 10-12 yd Tandem Axle Dump Truck/without underbody scraper, front plow, and salt spreader	2	79,719.	159,438
Heavy 10-12 yd Tandem Axle Dump Truck with underbody scraper, front plow, and salt spreader	1	107,023	107,023
5 yd Single Axle Dump Truck	2	68,898	137,796

Snow
Major

Cash discounts will be computed from the date of receipt of invoice. Prices firm unless stated otherwise by bidder. *Delivery can be made in () days after receipt of order.

Terms: NET, 30 DAYS Dest: 12TH S. GARAGE

COMPANY NAME: C S MOTORS INC.

ADDRESS: 413 S. DORT HWY.

CITY/STATE/ZIP: FLINT, MI 48503

PHONE: 434 5686 FAX: 239 0083

FEDERAL TAX ID: 038 1331887

SIGNED: *[Signature]*

Please submit original bid plus one copy.

Bid results are available the next working day by calling 810-766-7340 x#6, or you may view them online at cityofflint.com/purchasing.

*You must fill in the amount of days for delivery of vehicles. ESTIMATED 150-180 DAYS

1101 S. Saginaw St., 3rd Floor Flint, MI 48503 Ph: (810)766-7340 Fx: (810) 766-7340

SEALED BIDS RECEIVED PURCHASING DEPARTMENT ON DECEMBER 3, 2003
FOR 5 YARD DUMP TRUCKS

GRAFF TRUCK CENTER
1401 S. Saginaw St.
Flint, MI

C & S MOTORS
113 S. Dort Hwy.
Flint, MI

Total

Total

\$ 63,968.00

\$ 68,848.00

GRAFF TRUCK CENTERS, INC

3431 WOLF RD.

PO BOX 14229

SAGINAW, MI 48601

(888)802-3100

(989)752-3100

(989)752-9887 FAX

WWW.GRAFFTRUCK.COM



FAX COVER

DATE: 12-18-04

TIME: 1:00 pm

FAX#: 810 635 2887

NUMBER OF PAGES + COVER SHEET: 9

TO: Tom

FROM: Rob

COMMENTS:

Tom, Here is the info on the plow
trucks. Let me know as soon as
possible we are down to 2 or 3
units left.

Thanks Rob

989 239 2777

VOLVO

GM

BARS Document Display

2005 REGULAR CAB
 50L SUMMIT WHITE /V6D
 69V VINYL, VERY DK PEWTER
 ORDER NO. M04255/FBC STOCK NO.
 VIN 1GD P8C1 C7 5F504420

 MODEL & FACTORY OPTIONS MSRP
 TC8C042 REGULAR CAB 61875.00
 AE1 SEAT PASS FRT BUCKET, HIGH BACK N/C
 AL3 RESTRAINT SYS. DELETE SIR N/C
 DRIVER SIDE
 AQT SEAT DRVER AIR, HIGH BACK VINYL 163.00
 CMD PLANT CODE FLINT ASSEMBLY N/C
 DB8 MIRROR OUTSIDE RH & LH HEATED 102.00
 EH8 WHEELBASE 170" 223.00
 FD5 FRAME RAIL 80K PSI N/C
 FE9 50-STATE EMISSIONS N/C
 FF1 OIL FILLED HUB FRONT 21.00
 FLT FLEET PROCESSING OPTION N/C
 FSA FRAME REINFORCEMENT 80K 457.00
 EXTENDED TO REAR OF FRAME
 FS7 FRONT AXLE 12000# N/C
 FUC INTERGAL24" FRT FRAME EXTENSION 254.00
 F25 FRONT SUSPENSION 12000 ML 25.00-
 GG8 AUX REAR SPRINGS 4500# ML 135.00
 GP1 REAR SPRINGS 23500# MULTILEAF 20.00
 GRW GRILLE FIXED 110.00
 GZT PROVISIONS FOR REAR SPRINGS N/C
 G68 REAR SHOCKS 58.00
 HNB AXLE REAR SGL SPEED 23000# EAT 1421.00
 JE4 ABS AIR BRAKE SYSTEM N/C
 JOF AUTO REAR SLACK ADJ ROCKWELL N/C
 JRF REAR BRAKE DUST SHIELDS N/C
 JTU AIR DRYER HEATED N/C
 JUE AUTO FRONT SLACK ADJ ROCKWELL N/C
 JYV BRAKE CONTROL FULL TRAILER 394.00
 KA2 ENGINE BLOCK HEATER 1500 WATT 51.00
 KG8 GENERATOR 130 AMP 110.00
 KPJ AUTOMATIC ENGINE ALARM SHUTDOWN 51.00
 KQR PROTECTOR ENGINE STARTER 47.00
 WITH OVERCRANK
 KUN SEPARATOR FUEL/WATER DAVCO HEAT 207.00
 MODEL 200
 KUS AIR CLEANER DUAL ELEMENT 19.00
 KZX AIR COMPRESSOR BW 13.2 CFM N/C
 WATER COOLED
 LG5 CAT 3126 7.2L ENGINE 0.00
 LRR CAT C7 7.2L ENGINE 250 HP HT 2390.00
 MTA ELECTRONIC CONTROL UNIT N/C
 MWF PILOT SHAFT AUTO TRANS ELECTRIC N/C
 NO SPLINE
 MWZ ALLISON 3500 RDS SERIES (WIDE N/C
 RATIO) 6-SPEED
 NJ2 FUEL TANK TEMPORARY FUEL TANK N/C
 NPT EXHAUST SYSTEM - HORIZONTAL 518.00

** CONTINUED ON PAGE 2 **

GRAFF TRUCK CENTER OF FLINT

BARS Document Display

50L SUMMIT WHITE /V6D
69V VINYL, VERY DK PEWTER
ORDER NO. M04255/FBC STOCK NO.
VIN 1GD P8C1 C7 5F504420

MODEL & FACTORY OPTIONS MSRP

** CONTINUED FROM PAGE 1 **

- MUFFLER WITH VERTICAL TAIL PIPE
PTO PROVISION FOR POWER TAKE OFF 77.00
RPQ WHEEL FRONT 22.5X8.25 STEEL N/C
RPR WHEEL REAR 22.5X8.25 STEEL N/C
RQ2 TRUCK APPLICATION N/C
R3C TIRE TREAD FRT PREMIUM HWY N/C
R4L TIRE BRAND FRONT MICHELIN N/C
R6D BID ASSISTANCE/CE 0.00
R8Z 04-05 PRICE PROTECTION 1786.00-
SMB SPACER PACK RH SPRING LEVELING N/C
S3T REAR TIRE TRAD ON/OFF ROAD N/C
S4L TIRE BRAND REAR MICHELIN N/C
TNL BATTERY 1500 CCA DUAL N/C
TRG FRT TIRE CUSTOMER SELECT BRAND N/C
TRH RR TIRE CUSTOMER SELECT BRAND N/C
UL5 RADIO DELETE 113.00-
UPM GAUGE AIR CLEANER RESTRICTION 83.00
UOE AIR HORN GROVER DUAL TRUMPET 84.00
SINGLE NOTE
UXT GAUGE TRANSMISSION TEMPERATURE 104.00
U86 REAR TRAILERING WIRING 102.00
VXT VEHICLE INCOMPLETE N/C
VXX BUMPER FRONT DELETE 31.00-
V66 PROVISION FOR FRONT END DRIVE 362.00
V76 FRONT TOW HOOKS 51.00
XWL TIRE FRONT 11R22.5G 48.98
X80 GVW PLATE N/C
YWL TIRE REAR 11R22.5G 296.56
YZ8 MED DUTY WFP ALTERNATIVE 0.00
ZY1 SOLID PAINT COLOR COMBINATION N/C
014 REAR AXLE RATIO 6.14 N/C
50L SUMMIT WHITE N/C
50U SUMMIT WHITE N/C
69V VINYL, VERY DK PEWTER N/C
P9042

HP#15690252 HL2037.9

UNDER PENALTIES OF PERJURY, THE DEALER DECL/
THE VEHICLE DESCRIBED IN THIS SALES INVOICE
PURCHASED EITHER FOR RESALE OR FOR LONG-TERM
(ONE YEAR OR LONGER) BASIS.

** CONTINUED ON PAGE 3 **

GRAFF TRUCK CENTER OF FLINT
50L SUMMIT WHITE

/V6D

BARS Document Display

69V VINYL, VERY DK PEWTER
ORDER NO. M04255/FBC STOCK NO.
VIN 1GD P8C1 C7 5F504420

MODEL & FACTORY OPTIONS MSRP
** CONTINUED FROM PAGE 2 **

TOTAL MODEL & OPTIONS 67879.54
DESTINATION CHARGE 995.00
TIRE WEIGHT TAX

TOTAL 68874.54

INVOICE DOES NOT REFLECT DEALER'S ULTIMATE C
REBATES, ALLOWANCES, INCENTIVES, HOLDBACK, &
DEALER OF ADVERTISING MONIES, ALL OF WHICH M

THIS MOTOR VEHICLE IS SUBJECT TO A SECURITY

GRAFF TRUCK CENTER OF FLINT REM
VIN
\$
DUE

02 DEC 2004 13:36:15

GRAFF TRUCK CENTER INC.

FLINT-FI

FIVCD

Vehicle Cost Report

Page 1

Stock Nbr: 4-50048 VIN: 1GDP8C1C35F504298

Type: NEW
Year: 2005
Make: GMC
Model: C8500

Entry Date: 09/27/04
Date Sold:
Current Month:
Days in Stock: 66

Balance: \$ 84,110.93
Projected Cost: \$ 84,110.93

Status	Date	Document	Amount	Description
Posted	09/01/04	88469015	46,327.93	VEHICLE PURCHASES...
Posted	11/30/04	41654	37,783.00	INTERCOMPANY TRANSACTIONS...
			84,110.93	--- Posted Transactions Sub-Total ---

*** End of Report ***

OUR COST

YOUR COST

~~70,000.00~~ *\$65,000*

SAVINGS OF

~~\$14,110.93~~ *\$19,110.93*

GENE SHORT
Sales Representative
(586) 774-4900



28130 GROESBECK HWY
ROSEVILLE, MICHIGAN 48066
FAX: (586) 772-1280

E-mail: short1@tds.net

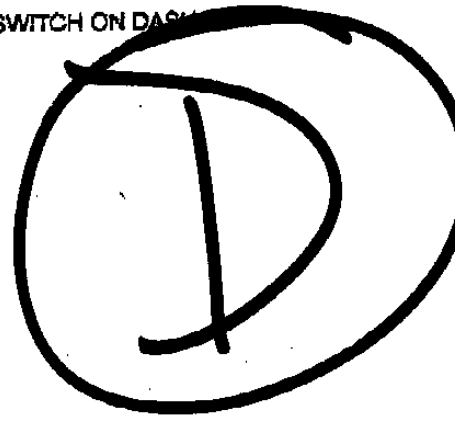
SALES QUOTE

Customer: GRAFF TRUCK CENTERS
Address: 3431 WOLF RD.
City, State: SAGINAW, MI. 48601
Attention: ROBERT CLEARY
Phone: 888 802 3100
Fax: 989 762 8887

Ref. No.: GT120203 10' S/S/P
WO No.: 19901
P. O. No.: 28691
Terms: CASH/CERT.CHECK *net 10*
Salesman: GENE SHORT
VIA: NBC
Date: 3/7/2004
9 OF 10
11 OF 12
NBC POOL YES

Available:	FOVIN#:	Delivery:
Year:	Make:	GVW:
Cab:	Transmission:	Color:

- 1 NBC-E-1 FABRICATED 10" FRONT BUMPER, TAPERED ON EACH END WITH CUTOUTS FOR TOW HOOKS ; MUST BE BOLTED TO FRAME
- 1 NBC-F-1 29" HUSTING HITCH W/ DOUBLE ACTING LIFT CYLINDER (KAMCO 906) MOUNTED ON FRONT BUMPER, (BY-1304550 HYD. CYL)
- 1 NBC-G-1 HENKE SNOW PLOW 36R10MS W/ 29" HUSTING PLOW PORTION. HENKE QUOTE L-14329
- 1 NBC-H-1 SNOW PLOW LIGHTS TL-80800 LIGHTS MOUNTED ON TRUCK HOOD/FENDERS MUST CLEAR BLADE. SWITCH ON DASH
- 1 NBC-A-1 HEIL SL318 DUMP BODY PACKAGE. W/ 1821 HOIST ARM TYPE HOIST 10' LONG 6-8 YD CAPACITY. 28" SIDES, 36" FRONT, AND 38" TAILGATE AIR TAILGATE RELEASE. CROSSMEMBERLESS BODY. 1/2 CAB SHIELD STOP TAIL TURN LIGHTS IN REAR CORNER POST. MUD FLAPS REAR OF REAR WHEELS (PLAIN BLACK) FUEL TANK TO BE FRAME MOUNTED UNDER DUMP BODY PAINT DUMP BODY ORANGE. HEIL QUOTE 14994
- 1 NBC-B-1 VIBCO DUMP BODY VIBRATOR, MODEL DC-3500-2000
- 1 AE-2-17 AERO MODEL 500 TARP SYSTEM, 10' -13' ELECTRIC W/ WIND DEFLECTOR. STEEL ARMS W/UNDERMOUNT SPRINGS, 9' WIDE MESH W/BUNGEE
- 1 NBC-H-1 FLINK STAINLESS STEEL TAILGATE SALT SPREADER (FLINK QT#)



CONTINUED ON NEXT PAGE

SALES QUOTE

Customer: GRAFF TRUCK CENTERS
Address: 3431 WOLF RD.
City, State: SAGINAW, MI. 48801
Attention: ROBERT CLEARY
Phone: 888 802 3100
Fax: 989 752 9887

Ref. No.: GT120203 10' SR/P
WO No.:
P. O. No.: 26681
Terms: CASH / CERT.CHECK
Salesman: GENE SHORT
VIA: NEC
Date: 3/7/2004
9 OF 10
11 OF 12
NBC POOL YES

- 1 **NBC-G-2 HENKE UNDERBODY SCRAPER, UBS XH** *12' Scrapper*
HENKE QUOTE L-14329
- 1 **NBC-C-1 CENTRAL HYDRAULIC SYSTEM.**
CRANKSHAFT DRIVE HYDRAULIC PUMP.
TO OPERATE DUMP, PLOW, SCRAPER, AND TAILGATE SPREADER
35 GALLON RESERVOIR/VALVE ENCLOSURE W/ LOW OIL SHUTDOWN SYSTEM
FILTER MOUNTED INSIDE TANK
AIR SHIFT CONTROL FOR DUMP BODY VALVE
SALT SPREADER CONTROL SYSTEM
FORCE AMERICA QUOTE 842436
- 1 **NBC-D-1 WARED RTE SWITCH PANEL**
SWITCH PANEL TO CONTROL LIGHT AND VIBRATOR FUNCTIONS.
AND HAVE BODY RAISED AND LOW OIL INDICATOR LIGHTS
- 1 **NBC-I-1 STAR STROBE LIGHT, 200SDH**
MOUNTED ON CAB ROOF WITH RISER TO MAKE STROBE VISIBLE WITH BODY IN LOWERED
POSITION OVER TARP WIND DEFLECTOR.
- 1 **NBC-I-2 STAR STROBE LIGHTS**
STROBES MOUNTED IN REAR CORNER POST OF BODY (ONE) EACH SIDE.
WITH POWER SUPPLY MOUNTED IN CAB.
- 1 **NBC-I-3 SALT SPREADER WORK LIGHT**
MOUNTED IN GUARD AT DRIVER SIDE REAR CORNER OF DUMP BODY

TOTAL INVESTMENT

End User: CITY OF FLINT

Gene Short, Sales Representative
NBC TRUCK EQUIPMENT, INC.

Order Accepted By: _____

Date: _____

Prices for the above equipment installed on properly-supplied vehicle
The above prices do not include local, state, or federal taxes

Purchase Order

City of Flint
 Department of Purchasing & Supplies
 1101 S Saginaw St., 3rd Floor
 Flint MI 48502
 Phone: 810-766-7340
 Fax: 810-766-7240

Purchase Order	Date	Revision	Page
0000040269	02/27/2004		1
Payment Terms	Freight Terms	Ship Via	
NET 30	FOB DESTINATION, FRT PREPAID	DEST	
Buyer: Jones, Derrick			Currency Code: USD

Ship To: Street Maintenance
 702 W 12th St
 Flint MI 48502

Vendor: 000007109
 GRAFF TRUCK CENTER
 1401 S SAGINAW ST
 FLINT MI 48503

Bill To: Accounts Payable
 P O Box 246
 Flint MI 48501-0246

Tax Exempt? Y Tax Exempt ID: C38-6004611

Line-Schd Item	Description	Quantity	UOM	PO Price	Extended Amt
1-1	HEAVY 5 YARD PUMP TRUCK	5.00	EA	88,504.00	442,520.00
Schedule Total					442,520.00
Item Total					442,520.00

COLOR: WHITE CAB, ORANGE BODY

Total PO Amount 442,520.00

Confirming
THIS ORDER SUBJECT TO THE FOLLOWING CONDITIONS

- This order subject to modification or cancellation in event of fire, strike or other conditions beyond our control.
- Render invoices on day of shipment, accompanied by Bill of Lading, all copies to be priced and extended.
- We reserve the right to cancel any portion of this order if not filled as specified.
- Defective goods will be promptly returned at your expense and credit taken.
- By accepting this order, you agree to defend, protect and save harmless the City of Flint, Michigan, its successors, assigns, customers, and the users of its products against all suits at law or in equity, and from all damage, claims and demands, for actual or alleged infringements of United States or Canadian letters patent, by reason of the use of articles hereby ordered.
- This purchase order not legal unless approved by Director of Purchases & Supplies or his Designee.
- Payment will be made only in accordance with this order, corrections or price adjustments must be authorized by the Purchasing Director prior to shipment of goods.

Authorized Signature

 Director of Purchases and Supplies or Designee

Purchase Order

City of Flint

Department of Purchasing & Supplies
 1101 S Saginaw St., 3rd Floor
 Flint MI 48502
 Phone: 810-766-7340
 Fax: 810-766-7240

Purchase Order	Date	Revision	Page
0000040270	02/27/2004		1
Payment Terms	Freight Terms	Ship Via	
NET 30	FOB DESTINATION, FRT PREPAID DEST		
BUYER: Jones, Derrick			Currency Code: USD

Ship To: Street Maintenance
 702 W 12th St
 Flint MI 48502

Vendor: 000007109
 GRAFF TRUCK CENTER
 1401 S SAGINAW ST
 FLINT MI 48503

Bill To: Accounts Payable
 P O Box 246
 Flint MI 48501-0246

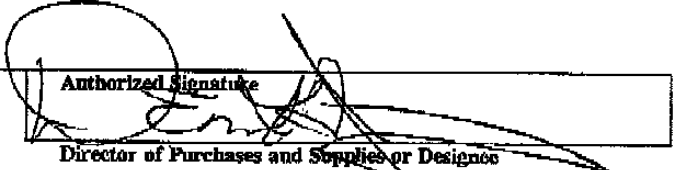
Tax Exempt? Y Tax Exempt ID: C38-6004611

Line	Schd	Item	Description	Quantity	UOM	PO Price	Extended Amt
1			HEAVY 5 YARD DUMP TRUCK	5.00	EA	88,404.00	442,020.00
Schedule Total							442,020.00
Item Total							442,020.00
Total PO amount							442,020.00

COLOR: WHITE CAB, ORANGE BODY

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- This purchase order not legal unless approved by Director of Purchases & Supplies or his Designee.
- Payment will be made only in accordance with this order, corrections or price adjustments must be authorized by the Purchasing Director prior to shipment of goods.

Authorized Signature

 Director of Purchases and Supplies or Designee