

**City of Watervliet  
Rearloading Refuse Collection Truck & Body  
Bid Specifications**

SCOPE: It is the intent of this specification to describe (1) conventional cab 66,000# GVWR 6x4 cab & chassis, upon which shall be installed (1) hydraulically actuated packer body of the rear-loading type. It shall have the following minimum specifications considered necessary to perform the work assigned. The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dispensing the load by means of hydraulic ejection. All equipment furnished under this contract shall be new and unused, and the same as the manufacturer's current production model. Accessories not specifically mentioned, but necessary to furnish a complete unit ready for use, shall also be included. The equipment furnished shall conform to all ANSI Safety Standards A245.1-2008.

*It is the intent of this Request For Bids that all political subdivisions, and districts located in the State of New York, be entitled to make purchases of materials, equipment, or supplies from the resulting bid award.*

*The City wishes to express their clear intent to receive competitive bids from a variety of body suppliers. This detailed specification is intended to describe a quality and construction standard; it is understood that bidders will likely deviate from the detail of this specification. It is, however, the responsibility of all bidders to identify each deviation, and then clearly and thoroughly describe each deviation in terms of product design, performance, and durability. The City of Watervliet will be the sole judge as to which product will be their best long-term equipment investment.*

**Bidder Shall Complete the Following.  
If "No", State Specifically the Item Being Offered.  
Attach Additional Pages As Required To Explain Exceptions.**

**A. BODY CAPACITY**

1. The body shall have a minimum capacity of:  
25 Cubic Yards

\_\_\_\_\_

2. The body shall have a manufacturer's minimum compaction rating of 1,100 pounds per cubic yard.

\_\_\_\_\_

**B. BODY DIMENSIONS**

1. Maximum overall width not to exceed 96".

\_\_\_\_\_

2. Maximum overall length and height (*with tailgate in locked position*) above the chassis frame not to exceed:

Capacity	Length	Height	CT
25 Cu. Yd.	285"	102½"	160"

\_\_\_\_\_

3. The body weight (*exclusive of options*) shall be no less than:

Capacity	Weight
25 Cu. Yd.	17,900 pounds

\_\_\_\_\_

Rearloading Refuse Collection Truck Body  
(continued)

YES NO OFFERED

**C. BODY CONSTRUCTION**

- 1. The body side walls and roof shall be constructed entirely of 10 gauge 80,000 PSI steel. \_\_\_\_\_
- 2. All pivot points shall be provided with grease zerks. \_\_\_\_\_
- 3. Body sides & roof shall be curve shell design without the need of side bracing. This design shall be capable of withstanding continuous operation at maximum loads without harmful deformation or wear. \_\_\_\_\_
- 4. The roof shall be constructed of 10 gauge 80,000 PSI steel. \_\_\_\_\_
- 5. The body sides shall be constructed of 10 gauge, 80,000 PSI steel. Sides shall be braced along the bottom 3½" x 12" from tailgate tapered to a point at the front of the body. Longitudinal braces shall be interconnected with floor gussets and continuously welded. \_\_\_\_\_
- 6. The body floor shall be minimum ¼" 100,000 PSI steel with 7 gauge supports. (*Trough floors not acceptable*) \_\_\_\_\_
- 7. The side access door shall be located on the street side of the body side wall. The door shall be 30" H x 30" W, and securely fastened to the body side wall by stainless steel hinges. There shall be a hydraulic interlock on the door, providing hydraulic shutdown when the door is opened (*no exceptions*). \_\_\_\_\_

**D. TAILGATE DIMENSIONS**

- 1. The hopper opening width shall not be less than 80" wide and 50" high. \_\_\_\_\_
- 2. The hopper capacity shall not be less than 3.55 cubic yards. \_\_\_\_\_
- 3. The hopper cycle time with the standard PTO and pump shall not exceed an average of 25-28 seconds. \_\_\_\_\_
- 4. The entire hopper floor shall be a minimum total of ½" thick 100,000 PSI sheet steel, adequately braced to withstand maximum loading pressures. \_\_\_\_\_
- 5. The hopper sides shall be constructed of ¼" 100,000 PSI steel. \_\_\_\_\_



Rearloading Refuse Collection Truck Body  
(continued)

YES NO OFFERED

**F. PACKING MECHANISM CONSTRUCTION**

- |   |       |       |       |
|---|-------|-------|-------|
| 1. The sweep blade shall be of the backhoe packing type, and designed to have a minimum clearance to thoroughly clean the hopper bottom during cycling.   | _____ | _____ | _____ |
| 2. The sweep blade face plate shall be constructed of ¼" 100,000 PSI steel and shall be reinforced with internal braces constructed of 3/8" thick steel. It shall be equipped with 3/4" thick high strength cylinder supports, 3/8" 50,000 PSI steel braces and ¼" 50,000 PSI gussets.                      | _____ | _____ | _____ |
| 3. The sweep blade shall be powered by two 5"x 2 5/8" double acting, cushioned, and induction hardened cylinders equipped with replaceable bushings.  | _____ | _____ | _____ |
| 4. The sweep pivot bearings are to be 4½" ID x 5" OD bronze bushings.   | _____ | _____ | _____ |
| 5. The sweep blade cutting edge is to be 5/8" AR200 steel.  | _____ | _____ | _____ |
| 6. The slide blade face plate shall be constructed of 7 gauge 100,000 PSI steel with ¾" 50,000 PSI steel side frames and 3/16" 80,000 PSI steel center support braces.  | _____ | _____ | _____ |
| 7. The slide blade shall be powered by two 5½" x 38-5/8" stroke double acting, cushioned, & induction hardened cylinders.   | _____ | _____ | _____ |
| 8. The linear slide movement of the blade shall be accomplished on two high strength rectangular tubing with each having an upper and lower UHMW pad that measures 4" x 14"   | _____ | _____ | _____ |
| 9. The pivotal rotation of the sweep blade shall be accomplished through the sweep blade cylinder pivot which shall consist of two 2" diameter stress proof pivot pins.   | _____ | _____ | _____ |
| 10. The slide, sweep and option cycles will be positive and automatic and be operated from the right hand side of the tailgate at the rear; all levers to be clearly identified that allow the operator to start, stop and reverse the direction of any function, at any time throughout the packing cycle. | _____ | _____ | _____ |

Rearloading Refuse Collection Truck Body  
(continued)

YES NO OFFERED

11. An Emergency Stop button shall be provided on both sides of the tailgate. This feature shall freeze all hydraulic functions.

\_\_\_\_\_

12. UHMW slide pads shall be easily replaced without removing the slide panel or slide shoes through easy external ports.

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**G. EJECTION BLADE CONSTRUCTION**

1. Ejection blade shall form the front of the body and be hydraulically operated and designed to have a minimum clearance to thoroughly clean the body during cycling.

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2. The load shall be discharged by means of a center mounted positive ejection system. A double acting 7½" bore telescopic cylinder shall extend and retract the full length of the body.

\_\_\_\_\_

3. The ejection blade face plate shall be constructed of 3/16" 50,000 PSI sheet steel and reinforced with trapezoidal crossmembers of 3" x 3" and 4" x 4" x ¼" wall structural tube.

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4. The ejection blade shall slide on four 1" x 4" x 48" UHMW slide bearing blocks.

\_\_\_\_\_

5. The ejection panel shall extend and retract without the assistance of clamp bars.

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6. The ejection panel will be automatically retracted during the operation mode by a pilot activated pressure relief system for optimum load density.

\_\_\_\_\_

7. The ejector panel and tailgate raise controls to be positive type, manually activated and shall be mounted outside at the front of the body on the street side.

\_\_\_\_\_

8. The telescopic cylinder shall not lay in a horizontal position on the floor of the packer. It shall be mounted at an angle so as to prevent trash at the floor level accumulating on it.

\_\_\_\_\_

Rearloading Refuse Collection Truck Body  
(continued)

YES NO OFFERED

**H. CONTROLS**

1. The packing mechanism controls shall be located curbside and incorporate direct linkage to the valve spool. The valve sections will be located within the side frame of the tailgate and be easily accessible. The speed up sensor for the packing mechanism shall be a proximity style switch adequately protected from limbs and debris.

\_\_\_\_\_

2. An electrical device shall be supplied to automatically raise the engine speed to the proper RPM during the packing cycle.

\_\_\_\_\_

3. An additional throttle advance switch shall be mounted at the front street side of the body near the tailgate raise control handle and at the rear curb side near the packing blade control.

\_\_\_\_\_

4. A back pack valve shall be required to automatically advance the ejector panel when packing against it by sensing the packing pressure at the rear valve.

\_\_\_\_\_

5. The packing blade control shall be designed to accomplish the normal packing cycle in two steps and shall be reversible or stopped at any time during the cycle.

\_\_\_\_\_

6. The packing blade control shall be a two handle design and located at the rear of the tailgate on the curbside.

\_\_\_\_\_

**I. HYDRAULIC SYSTEM**

1. A Hot Shift PTO with direct-mounted hydraulic pump shall be used to power the hydraulic system. Overspeed programming for the hydraulic functions shall be provided through the electronic controls of either the chassis engine or the transmission.

\_\_\_\_\_

2. All hydraulic valving shall be mechanically operated and use direct link controls.

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3. The hydraulic pump shall provide a minimum delivery of 36 GPM at 1400 - 1500 RPM.

\_\_\_\_\_

4. Normal maximum operating pressures shall not exceed 2450 PSI.

\_\_\_\_\_

Rearloading Refuse Collection Truck Body  
(continued)

YES NO OFFERED

- |  |       |       |       |
|--|-------|-------|-------|
| 5. The hydraulic system shall incorporate a relief valve and a hydraulic pressure gauge to protect all components from excess pressures.   | _____ | _____ | _____ |
| 6. All hydraulic hoses shall conform to S.A.E. Standards. No flat spots in hoses will be acceptable.   | _____ | _____ | _____ |
| 7. Hydraulic tank shall not be less than 55 gallons and must be equipped with a sight and temperature gauge. The tank shall be frame mounted for easy access, with a rubber cushion on the mounting brackets.        | _____ | _____ | _____ |
| 8. A replaceable 10 micron external filter with by-pass valve and visual indicator shall be furnished in the return line of the hydraulic system.  | _____ | _____ | _____ |
| 9. A shut-off valve shall be mounted on the suction line near the oil tank.  | _____ | _____ | _____ |
| 10. All cylinder rods shall be chrome plated.  | _____ | _____ | _____ |
| 11. Sweep and slide cylinder rods shall be induction hardened.   | _____ | _____ | _____ |
| 12. All cylinders shall incorporate nylon wear rings on the piston and rod to prevent metal to metal contact, and an "O" ring is to be used to pre-load the seal.  | _____ | _____ | _____ |
| 13. All cylinder rod end pin lugs shall be inertia welded to the cylinder rod.   | _____ | _____ | _____ |
| 14. Steel hydraulic tubing shall be zinc plated.   | _____ | _____ | _____ |
| 15. All hydraulic tubes shall be securely clamped to prevent abrasion and excessive noise.   | _____ | _____ | _____ |
| 16. All hydraulic hoses and pipes, wherever they are exposed to limb, ground obstructions, or debris damage, shall be properly shielded or guarded.  | _____ | _____ | _____ |
| 17. All pressure and return hydraulic hoses shall have a 4:1 burst safety factor and use hose ends of 37° JIC fittings wherever possible. All high pressure hoses shall be sheathed with fabric protective covering. | _____ | _____ | _____ |

Rearloading Refuse Collection Truck Body  
(continued)

YES NO OFFERED

**J. ELECTRICAL**

1. All body wiring shall be loomed and/or in conduit with heat shrink connectors. \_\_\_\_\_
2. The body shall be equipped with approved LED clearance, warning, tail, license, stop and turn signals in compliance with the national safety standards. \_\_\_\_\_
3. The body shall be equipped with an external audio back-up alarm activated when the chassis is in reverse. \_\_\_\_\_
4. Two (2) driver alert buzzers & (2) emergency stop buttons shall be installed at the rear of the tailgate, within easy reach of the rear steps. \_\_\_\_\_
5. A light shall illuminate in the cab when the tailgate is open and an audible alarm will sound when the vehicle is placed in reverse while the tailgate is open. \_\_\_\_\_
6. A light bar shall be mounted on the upper section of the tailgate and consist of (2) 4" LED stop & turn lights and (3) 6" oblong clearance lights. Additionally, there shall be (2) 4" LED stop & turn lights below the hopper, as well as (2) 4" LED reverse lights. There shall be (4) 2½" LED clearance lights at the front top corners of the body, and (2) 6" LED oblong mid body turn signals. \_\_\_\_\_
7. Two LED 1350 lumens white lamps shall be mounted inside the immediate hopper area. There shall also be (2) LED 1350 lights to illuminate the loading area on each side of the tailgate. Both sets of lights will be activated by a switch in the truck cab. \_\_\_\_\_
8. A rear vision camera shall be installed, with a flat screen minimum 7" color monitor, cab-mounted and adjustable. \_\_\_\_\_
9. A 6-light recessed LED strobe light system shall be installed. Two lights shall be mounted at the front top corners of the body, and four lights are to be tailgate-mounted. The 4" round amber lights shall be overridden by turn signals, then return to a strobe pattern once the turn signal is cancelled. They shall be activated by a power supply switch located inside the cab. \_\_\_\_\_



Rearloading Refuse Collection Truck Body  
(continued)

YES NO OFFERED

**K. PAINT**

1. The body shall be properly cleaned with a chemical etching solution to remove all dirt, oil, and prepare surface for good paint adhesion. All surfaces shall be clean of welding slag. Gray Dupont, lead-free epoxy primer with rust inhibitors, shall be applied.
2. Dupont Imron Elite paint shall be applied. The paint color shall be white, to match the City's color scheme.

_____	_____	_____
_____	_____	_____

**L. ADDITIONAL EQUIPMENT TO BE PROVIDED IN BID**

1. The body shall be equipped with minimum 2 3/4" wide rubber skirting, 9 feet long, to cover the entire wheel well area and to cover the area rearward of the rear drive tires. This skirting will prevent tire spray from reaching the loaders at the back step as well as any body-side lettering.
2. The body shall be equipped with full length rubber mud flaps forward of the forward drive tires. These shall be retained by steel anti-sail brackets.
3. The body shall be equipped with (2) Perkins Model #D6220-27K rotary-actuated poly cart tippers with high ground clearance, or approved equals. There shall be both curb & street side control linkage, with extended linkage so that the control handles are placed as low as possible relative to the loadsill. Hydraulic tubing shall be used in lieu of hoses where practical, and adjustable hydraulic flow controls shall be used to meter the flow to the desired cycle time of the tipper manufacturer.

_____	_____	_____
_____	_____	_____
_____	_____	_____

**M. MOUNTING**

1. Body shall be mounted on the truck chassis at front with heavy duty body mounting springs. Rear of body shall be bolted solid. No welding shall be performed on the chassis frame in the mounting process.
2. Mounting shall take place at the facility of the authorized body distributor.

_____	_____	_____
_____	_____	_____

Rearloading Refuse Collection Truck Body  
(continued)

YES NO OFFERED

**N. WARRANTY & PRODUCT SUPPORT**

1. Manufacturer's limited warranty shall be extended to apply for a period of *two years* after date of acceptance of the unit. *All costs related to warrantable failures – including freight and transportation* – shall be borne by the seller for the duration of the two year period.

\_\_\_\_\_

3. Product support shall be provided by a manufacturer's authorized distributor. The distributor shall offer parts from an established inventory specific to the product bid, and service by experienced technicians. This is to ensure a prompt and efficient corrective response to any mechanical problems. *The bidder shall state the distance of their service facility to the City of Watervliet in the space to the right.*

\_\_\_\_\_ Miles

**2018 MODEL YEAR 6x4 CAB-CHASSIS  
TO BE PROVIDED WITH  
25 CUBIC YARD REARLOADING REFUSE PACKER**

**CAB & CHASSIS SPECIFICATIONS**

<u>1. Dimensions</u>	Yes	NO	OFFERED
a. Wheelbase shall be approximately 228"	___	___	_____
b. Back of cab to center of rear axle (CA) shall be approximately 161"	___	___	_____
c. After frame (AF) provided shall be approximately 63"	___	___	_____
d. Bumper to back of cab (BBC) shall be approximately 107"	___	___	_____
e. Front axle to be set back 40" to ensure maneuverability	___	___	_____
<b><u>NOTE: Dimensions may be different, depending on the brand of packer body selected.</u></b>			
<u>2. Engine &amp; Engine Accessories</u>			
a. The engine shall be International, Cummins, or approved equal	___	___	_____
b. The horsepower rating shall be minimum 430 H.P. @ 1700 RPM	___	___	_____
c. The torque rating shall be minimum of 1550 Lb-Ft @ 1000RPM	___	___	_____
d. The fan drive shall be direct drive type, 2 speed, with nylon blades	___	___	_____
e. The engine shall provide On Board Diagnostics, with a display of all fault codes in the gauge cluster	___	___	_____
f. The engine shall be equipped with a fuel cooler	___	___	_____
g. The alternator shall be a 12V minimum 160 amp	___	___	_____
h. There shall be a minimum of (4) batteries minimum 2600 CCA mounted in a steel box on the streetside frame rail behind cab	___	___	_____
I. The air compressor shall have a minimum rating of 15.9 CFM	___	___	_____
j. There shall be a single horizontal muffler with a vertical pipe with turned-out end to prevent water from entering	___	___	_____
k. There shall be a diesel particulate filter, with provisions for selective catalytic reduction, and all required equipment shall be placed to minimize back of cab interference with the body	___	___	_____
l. The diesel exhaust fluid tank shall be frame mounted, minimum 9.5 US gallon capacity.	___	___	_____
m. The air cleaner shall be single element, with restriction gauge air cleaner-mounted	___	___	_____
n. There shall be automatic cold starting equipment, with engine ECM control. There shall also be a 120V block heater.	___	___	_____
o. The radiator shall be aluminum, with capacity of at least 1,590 sq. in. minimum	___	___	_____
p. The antifreeze rating shall be -40 degrees Fahrenheit minimum	___	___	_____
o. The starter shall be soft start, Mitsubishi Model 105P or equal	___	___	_____
p. There shall be an engine compression brake, Jacobs or equal	___	___	_____
q. Engine coolant and heater hoses shall be premium design, with constant tension hose clamps	___	___	_____
r. There shall be insulation on the splash panels, dash panels, & engine cover panels for sound abatement	___	___	_____



1. The rear brakes shall provide 30/30 chambers

\_\_\_\_

**6. Brake system**

a. The chassis shall be provided with dual air brakes

\_\_\_\_

b. The chassis shall be equipped with an anti-lock braking system, Bendix or equal

\_\_\_\_

c. Air lines shall be wire braid with flex lines between frame and axles

\_\_\_\_

d. There shall be a heated air drier, Bendix AD-IP, or approved equal

\_\_\_\_

e. There shall be pull cables to purge all air reservoirs

\_\_\_\_

**7. Frame**

a. The frame shall be steel, minimum 10-1/8" high x 5/16" thick and minimum 120,000 PSI material, with 5/16" outside frame full C-channel reinforcement

\_\_\_\_

b. The section modulus shall be minimum 29.84 cu.in. nominal

\_\_\_\_

c. The resisting bending moment shall be minimum 3,500.000 in./lbs.

\_\_\_\_

d. The front bumper shall be steel, full width

\_\_\_\_

e. There shall be a bodybuilder wiring interface back of cab on left frame

\_\_\_\_

f. The fuel tank shall be 80 U.S. gallon, aluminum, mounted on rail.

\_\_\_\_

g. There shall be a fuel-water separator, Davco 382 or approved equal

\_\_\_\_

h. There shall be a front tow loop

\_\_\_\_

i. There shall be an aluminum fuel tank, minimum 80 gallons

\_\_\_\_

**8. Tires & Wheels**

a. Front tires shall be 315/80R22.5 minimum 20L rated

\_\_\_\_

b. Front tires shall be Continental HSC1 or equal

\_\_\_\_

c. Rear tires shall be 11R22.5, 16 ply.

\_\_\_\_

d. Rear tires shall be Continental HDL2 DL, or equal

\_\_\_\_

e. Front wheels shall be 22.5x9.0 steel hub piloted

\_\_\_\_

f. Rear wheels shall be 22.5x8.25 steel hub piloted

\_\_\_\_

**9. Cab & Exterior**

a. The cab shall be left hand drive with air suspension

\_\_\_\_

b. The cab shell shall be conventional, of welded galvanized steel

\_\_\_\_

c. There shall be heated 102" wide breakaway west coast mirrors, with integral convex mirrors

\_\_\_\_

d. There shall be dual electric horns

\_\_\_\_

e. There shall be dual air horns

\_\_\_\_

f. There shall be single long life halogen headlamps

\_\_\_\_

g. There shall be a rear window in the cab

\_\_\_\_

- h. There shall be rubber fender extensions on the fenders & insulation in the splash panels for sound abatement**
- i. There shall be a stationary chrome grille**

_____	_____	_____
_____	_____	_____

**10. Cab Interior**

- a. The interior trim shall be Premium**
- b. There shall be a heater/ air conditioner, with windshield defroster, and HVAC fresh air filter**
- c. There shall be an interior dome light, center-mounted**
- d. There shall be an AM/FM/Weatherband/Clock Radio**
- e. There shall be an air suspension high back driver's seat, National 2000 or equal**
- f. There shall be a non-suspension two-man passenger's seat with under seat storage**
- g. There shall be cab sound insulation, including a dash insulator, premium rubber floor mats & sound dampening patches**

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**11. Instrument Controls & Electrical**

- a. There shall be a fire extinguisher secured in cab, 2.5 lb. minimum**
- b. A triangle reflector kit shall be provided**
- c. There shall be a cigar-type receptacle power source without plug & cord**
- e. There shall be a tilting steering wheel**
- f. There shall be a transmission oil level sensor**
- g. There shall be a transmission temperature gauge**
- h. Seat belts shall be 3-point, lap & shoulder belt type**
- I. A heavy-duty turn signal switch with LED compatibility shall be provided**
- j. There shall be all standard gauges in cab, to include At minimum the following: speedometer, odometer tachometer, oil pressure, air pressure (primary & secondary) low air pressure light and buzzer**

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**12. Paint**

- a. Paint color shall be white**

_____	_____	_____
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**14. Transportation**

- a. The cab & chassis shall be transported to the location of the the body vendor chosen by the City. The body vendor chosen shall then be responsible for transportation of the completed unit to the customer. Both cab & chassis vendor and body vendor shall coordinate final delivery, as well as required training to the equipment operators.**

_____	_____	_____
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**CITY OF WATERVLIET**

**REARLOAD REFUSE PACKER TRUCK & BODY**

**BID SUBMISSION SHEET**

Bidder's Name: \_\_\_\_\_

Bidder's Address: \_\_\_\_\_

\_\_\_\_\_

Signature Of Bidder: \_\_\_\_\_

Print Or Type Bidder's Name & Title: \_\_\_\_\_

Subcontractor: \_\_\_\_\_

Date: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Manufacturer Of Cab & Chassis: \_\_\_\_\_

Model Of Cab & Chassis: \_\_\_\_\_

Manufacturer Of Packer Body: \_\_\_\_\_

Model Of Packer Body: \_\_\_\_\_

Is Bid Fully Compliant With Specifications? Yes: \_\_\_ Or, No: \_\_\_  
(If "No," Please Attach Letter Explaining All Deviations In Detail.)

*Please Provide Pricing As Indicated:*

Total Bid Amount For (1) Truck & Body Package (In Numbers): \$ \_\_\_\_\_

Total Bid Amount For (1) Truck & Body Package (In Words):

\_\_\_\_\_

Delivery Date (After Receipt Of Order): \_\_\_\_\_ Days

*Please attach required "Non-Collusive Bidding Certification" to this page.*

\_\_\_\_\_

# NON-COLLUSION AFFIDAVIT

I, \_\_\_\_\_ residing in \_\_\_\_\_  
(name of principal of bidding firm) (name of municipality)  
in the County of \_\_\_\_\_ and State of \_\_\_\_\_ of  
full age, being duly sworn according to law on my oath depose and say that:

I am \_\_\_\_\_ of the firm of \_\_\_\_\_,  
(title or position) (name of firm)

the bidder making this Proposal for the bid entitled \_\_\_\_\_, and that  
(title of bid proposal)

I executed the said proposal with full authority to do so; that said bidder has not, directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with the above named project; and that all statements contained in said proposal and in this affidavit are true and correct, and made with full knowledge that the \_\_\_\_\_ relies upon the truth of the statements  
(name of contracting unit)  
contained in said Proposal and in the statements contained in this affidavit in awarding the contract for the said project.

I further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except bona fide employees or bona fide established commercial or selling agencies maintained by \_\_\_\_\_.  
(name of firm)

Subscribed and sworn to by me on this day:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
(Type or print name of company principal)

\_\_\_\_\_, 2\_\_\_\_

(Apply Corporate Seal To Right)