



INVITATION TO BID

CITY OF JOHNSON CITY, TENNESSEE

PURCHASING DEPARTMENT

423/975-2716

Bid Name / Number	REFUSE COLLECTION VEHICLES / #5635
Due Day / Date / Time	Tuesday / October 2, 2012 / 1:30 PM
Bid Location / Mail Address	Johnson City Purchasing Department, Debbie Dillon-Director, 209 Water Street (37601), P O Box 2150 (37605), Johnson City, TN
Bid Contact / Telephone	Phillip Davis (423) 483-5915; pdavis@johnsoncitytn.org ; or vharless@johnsoncitytn.org
Bid Issue Date	September 17, 2012
Delivery Location	City Garage, 209 Water Street, Johnson City, TN 37601
FOB	Destination, Johnson City, TN
Payment Terms	Net 30

Bidder is responsible for completing the remaining portion of this bid document

ITEM NO.	QTY	DESCRIPTION	UNIT PRICE
		Below refuse collection vehicles as per the attached specifications that are considered an integral part of this bid:	
1.	1 ea	2013 Model Front Loading Refuse collection vehicle Make/Model Proposed: _____	\$ _____
2.	1 ea	2013 Automated Side Loading Refuse collection vehicle Make/Model Proposed: _____	\$ _____

Submit two complete bid packages (bid cover sheet, specifications, vehicle literature, etc). All attached checklists must be completed and returned for bid to be considered.

EQUIPMENT DELIVERY & ACCEPTANCE PROCEDURES ARE ATTACHED.

Cooperative Purchasing Agreement: Vendors are to indicate if it is permissible for other governmental agencies in the State of Tennessee to purchase these items or services at the same price. Freight charges may be adjusted to reflect differences in delivery costs to other locations. Please indicate your approval of Cooperative Purchasing Agreement. Yes No.

Bidder's Check List Place a check mark by all areas to signify compliance.

<input type="checkbox"/> Bid signed in ink by authorized company representative	<input type="checkbox"/> Bid prices, extensions and total verified as correct
<input type="checkbox"/> Addenda initialed and returned with bid, if applicable	<input type="checkbox"/> Completed checklists & vehicle literature

By signing this document, the undersigned hereby agrees to the prices and all other terms and conditions, including the attached *Bid/RFP General Terms & Conditions* and the City's *Requirements for Bids, Requests for Proposals, and Contracts Between the City of Johnson City and Other Parties* contained in this bid and associated documents relating to this bid and will furnish items as specified if this bid is accepted.

SUBMITTAL INSTRUCTIONS:
Paper bids: place signed bid response in a sealed envelope plainly identified on the outside in the lower left corner with the Bid Name and Number. Vendor responsible for delivery to Johnson City Purchasing Dept., Debbie Dillon- Director, P. O. Box 2150 (37605), 209 Water Street (37601) Johnson City, TN on or before the bid opening date and time.

Firm Name _____
By _____
Address _____

Telephone _____
Fax _____
E-Mail _____

TYPED & SIGNED

ELECTRONIC RESPONSES ARE NOT ACCEPTABLE.

BID MUST BE SIGNED TO BE VALID

**CITY OF JOHNSON CITY
SOLID WASTE DIVISION
FRONT LOADING REFUSE COLLECTION VEHICLE**

It is the intent of these specifications to describe a complete low cab forward truck chassis and 40 cubic yard Full Eject Front Loader collection body for the collection of Municipal Solid Waste. All equipment being bid must be new, unused and the manufactures current model.

Bidder must complete and return this form for the bid to be considered responsive. A check mark shall be placed in each area of specification agreement. Any variance must be clearly identified and bidder may use a separate sheet if necessary. Exceptions to the specifications will be evaluated on an individual basis with the City alone determining the importance relating to the overall performance of the units being bid. Any omission from the specifications shall not relieve the bidder from the responsibility of furnishing a complete unit ready to use.

CHASSIS SPECIFICATIONS

2013 MODEL, CAB OVER CHASSIS MEETING
DIMENSIONAL CHARACTERISTICS LISTED BELOW
(STATE MAKE AND MODEL)

WHEEL BASE (200" – 210")

GVWR – 66,000 LBS MINIMUM

REAR AXLE: 46,000 LB DUAL REDUCTION TANDEM
WITH TOP MOUNTED BOGIES, BRONZE TRUNION
BUSHINGS AND AUTOMATIC POWER DIVIDER

46,000 LB ANTI-SWAY FLEXIBLE WALKING
BEAM WITH TORQUE TUBE

FRONT AXLE – 20,000LB MINIMUM, HEAVY DUTY
MULTILEAF SUSPENSION, STATIC LOAD CUSHIONS

HEAVY DUTY DOUBLE CHANNEL FRAME,
120,000 PSI WITH 1/4" "C" CHANNEL FRAME
REINFORCEMENT MINIMUM RBM 3,127,200,
HUCK BOLT FRAME FASTNERS

HEAVY DUTY FRAME CROSS MEMBERS BEHIND CAB

FRONT TOW HOOKS

ENGINE:

DIESEL ENGINE – MINIMUM, FULLY ELECTRONIC
VARIABLE GEOMETRY TURBO CHARGED;
INTERCOOLED, ENGINE BRAKE MP7-645R MINIMUM;
345HP @1500-1700 RPM; 1280 LB FT 58% TORQUE RISE;
2010 EMISSIONS, 0.2 NOX OR LESS REQUIRED;
FIVE (5) YEAR, 200,000 MILE ENGINE WARRANTY
TO INCLUDE ENGINE, ENGINE ELECTRONICS, HARNESS
AND SENSORS, STARTER AND ALTERNATOR,
NO DEDUCTIBLE. WITH FRONT PTO PROVISIONS.

TRANSMISSION AND EQUIPMENT

AUTOMATIC TRANSMISSION – ALLISON 4500 RDS
5 SPEED W-AUTO NEUTRAL SHIFT PROGRAMMING
FOR REFUSE SPECIAL, **WITH 5 YEAR EXTENDED
WARRANTY.** GEARED COMPATIBLE WITH AXLE,
BOTH FOR NORMAL HIGHWAY SPEED (70 MPH TOP SPEED)

BRAKE SYSTEM

AIR COMPRESSOR – MERITOR 37.4 CFM MIN

MERITOR HEATED AIR DRYER

AUTOMATIC MOISTURE EJECTURES ALL TANKS

FULL S-CAM TYPE FRONT AND REAR BRAKES,
ABS FEDERAL ANTI-LOCK BRAKING SYSTEM
WITH Q PLUS BRAKES FRONT AND REAR
FRONT: 16.5 X 6 Q PLUS REAR: 16.5 X 7 Q PLUS

ARVIN MERITOR AUTOMATIC SLACK ADJUSTERS
FRONT AND REAR

PARKING BRAKES BOTH REAR TANDEM

BRAKE DUST SHEILDS ALL WHEELS

ELECTRICAL

ALL LIGHTING SHALL BE LED TYPE
TO INCLUDE SIDE BED AND REAR WITH
CAB MARKERS

145 AMP ALTERNATOR MIN

(3) 12 VOLT MAINTENANCE FREE BATTERIES

STARTER: DELCO 12V 42MT/OCP 450 SER.
W/THERMAL PROTECTION

110 VOLT 1500 WATT ENGINE BLOCK HEATER

BATTERY DISCONNECT SWITCH MOUNTED NEAR
BATTERY LOCATION W/BOOST LUGS

4 EACH SPARE FUSED TOGGLE TYPE SWITCHES
IN CAB

CB RADIO HOOK UP IN CAB (+-)

POWER OUTLET – 12 VOLT

CRUISE CONTROL FOR HIGH IDLE

FULL INSTRUMENTATION GAUGES

ENGINE WARNING SYSTEM FOR LOW OIL PRESSURE
OR OVERHEATING CONDITIONS

AM/FM RADIO

UNIT SHALL BE EQUIPPED WITH A SENSOR SYSTEM
THAT ALERTS DRIVER WITH WARNING LIGHT AND
ALARM, **NO AUTO BRAKING**, WHEN OBJECT IS
DETECTED BEHIND VEHICLE WHILE BACKING.
PLEASE SPECIFY TYPE AND MANUFACTURER.

OTHER ITEMS

OSHA APPROVED BACK-UP ALARM

FUEL/WATER SEPARATOR

COOLING: HEAVY DUTY RADIATOR WITH
CHARGE AIR COOLER AND ELECTRIC FAN CONTROL
ELECTRIC OVERRIDE SWITCH

75 GALLON FUEL CAPACITY MINIMUM

VERTICAL EXHAUST W/MUFFLER

DUAL POLISHED AIR HORNS

HEATED WEST COAST MIRRORS WITH CONVEX
SPOT MIRRORS

AIR SUSPENSION DRIVERS SEAT

STATIONARY PASSENGER SEAT

FACTORY INSTALLED R134A AIR CONDITIONER
INTEGRAL WITH HEATER

GLARE TINTED WINDSHEILD

CAB LATCH RELEASE HANDLES OR CABLES
BOTH SIDES, MOUNTED BEHIND CAB

CAB JACK

FRONT TIRES 425/65R22.5 – 20 PLY
MICHELIN XZY M/S

REAR TIRES 11R22.5 – 16 PLY
MICHELIN XDE M/S

ACCURIDE STEEL WHEELS (BUDD TYPE)

ENGINE OIL DIPSTICK AND FILL TUBE
MOUNTED BEHIND CAB, PASSENGER SIDE

MOLDED CUP HOLDERS

TILT STEERING

COLOR – 1981 AMC JEEP
COLOR CODE A1 MONTANA BLUE OR EQUAL
AS APPROVED BY THE CITY OF JOHNSON CITY

UNIT SHALL BE DELIVERED WITH THE STANDARD OWNER/
OPERATOR MANUALS ALONG WITH ONE (1) SET OF SERVICE
MANUALS AND PARTS BOOKS OR CD ROMS

SUCCESSFUL VENDOR SHALL BE REQUIRED TO PROVIDE
A DETAILED LIST OF FILTERS, RECOMMENDED LUBRICANT
VISCOSITIES, AND ANY OTHER WARRANTY REQUIREMENTS
ASSOCIATED WITH THIS UNIT.

ALL MANUFACTURES STANDARD EQUIPMENT AND
THREE (3) SETS OF KEYS

WARRANTY INFORMATION

VENDOR TO STATE WARRANTY PERIOD OFFERED BY THE
MANUFACTURER AND SUB MANUFACTURER NOTE: VENDOR
MUST CARRY ALL MANUFACTURERS WARRANTY!

VENDOR TO STATE AVAILABILITY OF ANY EXTENDED
WARRANTIES AND THEIR ASSOCIATED COSTS OTHER
THAN TRANSMISSION AND ENGINE FOR CONSIDERATION

COMPACTION BODY SPECIFICATIONS

GENERAL

MAKE AND MODEL

BODY CAPACITY EXCLUDING HOPPER (28-30 CY)

HOPPER CAPACITY (12 CY)

ESTIMATED PAYLOAD –VERFICATION MAY BE REQUESTED BY THE CITY OF JOHNSON CITY IN THE FORM OF LANDFILL WEIGHT TICKETS

LIFTING ASSEMBLY

THE ASSEMBLY SHALL BE CAPABLE OF LIFTING A GROSS LOAD OF 8,000LBS MINIMUM

LIFT ARM CYCLE TIME SHALL BE 18-20 SECONDS MINIMUM

THE LIFT ARMS DURING THE LIFT CYCLE SHALL NOT INTERFERE WITH THE OPENING OF THE TRUCK CAB DOORS ON EITHER SIDE

THE LIFT ARMS SHALL BE HYDRAULICALLY ACTUATED BY TWO (2) DOUBLE ACTING CYLINDERS LOCATED OUTSIDE THE BODY AT FLOOR LEVEL AND DIRECTLY ATTACHED TO THE LIFT ARMS

THE LIFT ARMS SHALL BE WELDED TO A REAR TORQUE TUBE WHICH SHALL BE MOUNTED IN A MINIMUM OF 4 SPLIT BEARING BLOCKS WITH FOUR (4) REPLACEABLE SPLIT BRONZE BUSHINGS WITH GREASE PROVISIONS. THE BEARING BLOCKS SHALL BE RIGIDLY WELDED TO THE LOWER FRONT OF THE BODY.

THE FORKS SHALL BE HYDRAULICALLY ACTUATED BY (2) DOUBLE ACTING CYLINDERS

THE TWO FORKS SHALL BE MINIMUM 1 ½" THICK AND CONSTRUCTED OF HIGH TENSILE STEEL (50,000 PSI MINIMUM YIELD).THE FORKS SHALL BE WELDED TO A FORK TORQUE TUBE

BIDDER'S EQUIPMENT

THE TORQUE TUBE SHALL BE MOUNTED IN TWO (2) SPLIT BEARING BLOCKS WITH TWO (2) REPLACEABLE SPLIT BRONZE BUSHINGS WITH GREASE PROVISIONS. THE BEARING BLOCKS SHALL BE RIGIDLY WELDED TO THE FRONT OF THE LIFT ARMS. THIS ASSEMBLY SHALL ALSO INCLUDE RUBBER BUMPERS TO REDUCE IMPACT AND PREVENT DAMAGE TO CONTAINERS.

THE LIFTING DEVICE SHALL BE DESIGNED TO PROVIDE THE NECESSARY DUMP ANGLE TO ASSURE COMPLETE DISCHARGE OF MATERIALS FROM THE REFUSE CONTAINERS

FORKS MUST STORE IN VERTICAL POSITION AT LOWEST POINT OF LIFT CYCLE

HEAVY DUTY BOLT-ON HARD RUBBER ARM STOPS SHALL BE LOCATED ON EACH SIDE OF THE BODY TO PREVENT OVER TRAVEL OF THE LIFT ARMS

AN IN CAB MOUNTED WARNING LIGHT SHALL BE PROVIDED TO INDICATE WHEN ARMS ARE RAISED ABOVE THE BODY

CONSTRUCTION

HOPPER FLOOR SHALL BE FLAT, NO SUMP OR SUMP DOORS, AND CONSTRUCTED OF MINIMUM 1/4" THICK ABRASION RESISTANT STEEL (184,000 PSI MINIMUM YIELD)

LOWER HOPPER SIDES SHALL BE CONSTRUCTED OF MINIMUM 3/16" THICK ABRASION RESISTANT STEEL (184,000 PSI MINIMUM YIELD)

UPPER HOPPER SIDES SHALL BE CONSTRUCTED OF MINIMUM 8 GAUGE HIGH TENSILE STEEL (80,000 PSI MINIMUM YIELD)

BODY FLOOR SHALL BE CONSTRUCTED OF MINIMUM 1/4" THICK STEEL (184,000 PSI MINIMUM YEILD)

BODY SIDE SHALL BE CONSTRUCTED OF MINIMUM 8 GAUGE HIGH TENSILE STEEL SHEET (80,000 PSI MINIMUM YIELD)

SIDE ACCESS DOOR WITH ADEQUATE STEPS AND GRAB HANDLES SHALL BE PROVIDED FOR BODY ENTRY

ROOF SHALL BE CONSTRUCTED OF MINIMUM 8 GAUGE HIGH TENSILE STEEL (80,000 PSI MINIMUM YIELD)

ALL AREAS SHALL BE REINFORCED BY ADEQUATE BRACING TO WITHSTAND CONDITIONS PACKER BODY IS SUBJECTED TO. ALL BRACES AND POSTS SHALL BE CONTINUOUSLY WELDED

UNLOADING SYSTEM SHALL BE FULL EJECTION TYPE. THE LOWER PORTION OF THE PACKING PANEL FACE SHALL BE CONSTRUCTED OF MINIMUM 3/16" ABRASION RESISTANT STEEL (184,000 PSI MINIMUM YIELD) THE UPPER PORTION SHALL BE CONSTRUCTED OF A MINIMUM 7 GAUGE HIGH TENSILE STEEL (80,000 PSI MINIMUM YIELD). THE PACKING PANEL SHALL BE REINFORCED FOR MAXIMUM STRENGTH

PACKING CYCLE TIME (STATE TIME) INCLUDING BACKWARD AND FORWARD MOVEMENT

PACKING PANEL GUIDE RAILS SHALL BE LOCATED AT THE LOWER CORNERS OF THE INSIDE BODY WALLS. TWO WEAR PLATES SHALL ALSO BE LOCATED ON THE BODY FLOOR OVER THE LONGITUDINALES. SPECIFY THICKNESS AND STRENGTH OF GUIDE RAILS AND WEAR PLATES. (IF WEAR PLATES ARE NOT APPLICABLE PLEASE EXPLAIN WHY)

THE PACKING PANEL SHALL BE GUIDED ON BOTH SIDES OF THE BODY BY TWO (2) ALL STEEL ABRASION RESISTANT WEAR PLATES ON THE GUIDE TUBES AND TWO (2) ABRASION RESISTANT ALL STEEL WEAR PLATES OVER THE LOGITUDINALES

THE PACKER SHALL BE HYDRAULICALLY ACTUATED BY TWO (2) DOUBLE ACTING CYLINDERS 5 1/2" MINIMUM IN DIAMETER. SPECIFY SIZE AND MANUFACTURER OF CYLINDERS

THE PACKING PANEL SHALL BE PROVIDED WITH BOLT-ON LUGS FOR EACH OF THE TWO (2) PACKING CYLINDERS. THE CYLINDERS SHALL BE ATTACHED TO THE PACKER PANEL LUGS VIA TWO INCH (2)" DIAMETER PINS. CYLINDER REMOVAL MAY BE ACCOMPLISHED BY EITHER PULLING THE PINS OR BY THE ENTIRE BOLT-ON LUGS. THE LUGS SHALL BE ATTACHED TO THE PACKING

PANEL WITH SIX (6) 3/4" DIAMETER BOLTS FOR EACH LUG ASSEMBLY.

THE BODY FRONT HEAD SHALL BE PROVIDED WITH BOLT-ON LUGS FOR PACKING CYLINDERS. THE LUGS SHALL RETAIN CYLINDER PINS WITH FOUR (4) 3/4" DIAMETER BOLTS.

THE PACKING CYCLE SHALL BE INTERLOCKED WITH THE TAILGATE RAISE FUNCTION SUCH THAT THE FULL EJECT IS POSSIBLE ONLY WHEN TAILGATE IS IN THE RAISED POSITION. AN ADDITIONAL INTERLOCK SHALL BE PROVIDED TO PREVENT RAISING THE ARMS ABOVE THE CAB IF THE PACKING PANEL IS NOT FULLY IN THE FORWARD POSITION.

A "STOP" AND "RETRACT" PUSH BUTTON SHALL ALSO BE PROVIDED, GIVING THE OPERATOR COMPLETE CONTROL OF THE PACKING PANEL MOVEMENTS.

A HYDRAULICALLY ACTUATED SLIDING TOP DOOR SHALL BE PROVIDED TO COVER THE HOPPER. AN IN-CAB WARNING LIGHT SHALL BE PROVIDED TO INDICATE WHEN THE TOP DOOR IS NOT FULLY OPENED.

TOP DOOR SHALL BE CONSTRUCTED OF MINIMUM 12 GAUGE STEEL AND FRAMED ADEQUATELY

TAILGATE SHALL BE ONE PIECE AND CONSTRUCTED OF A MINIMUM 11 GAUGE HIGH TENSILE STEEL (80,000 PSI MINIMUM YIELD)

A HEAVY DUTY TAILGATE SEAL OF RUBBERIZED GASKET MATERIAL SHALL BE INSTALLED THE FULL WIDTH OF THE BOTTOM AND 68" UP THE SIDES OF THE TAILGATE TO PREVENT LEAKAGE

THE TAILGATE SHALL BE REINFORCED BY A MINIMUM 1/4" STEEL (80,000 PSI YIELD) HORIZONTAL BOXED BRACE

THE TAILGATE SHALL BE OPENED AND SECURED IN A CLOSED POSITION BY A FULLY AUTOMATED LATCHING AND LOCKING MECHANISM FROM INSIDE THE CAB. MANUAL TAILGATE LATCHES NOT ACCEPTED

A HEAVY DUTY STEEL SCREEN SHALL BE INSTALLED ON THE ENTIRE FRONT OF THE BODY TO CONTAIN ANY MATERIALS WHICH MAY FALL OVER OR BEHIND

THE PACKING PANEL

A ROOF ACCESS LADDER SHALL BE LOCATED ON THE SIDE OR REAR OF THE COMPACTION BODY AS WELL AS THE FRONT

HYDRAULICS

MAXIMUM OPERATING PRESSURE OF THE HYDRAULIC SYSTEM SHALL BE 2500 PSI

A HEAVY DUTY DENISON SINGLE VANE PUMP, FRONT MOUNTED WITH ELECTRONIC OVER-SPEED CONTROL SHALL BE PROVIDED. THE PUMP SHALL HAVE RATED CAPACITY OF APPROXIMATELY 52 GPM @ 1300 RPM

ALL HYDRAULIC TUBES SHALL BE SECURELY CLAMPED TO PREVENT VIBRATION, ABRASION AND EXCESSIVE NOISE.

ALL HYDRAULIC HOSES SHALL CONFORM TO S.A.E. STANDARDS FOR DESIGNED PRESSURE. FLAT SPOTS IN HOSES WILL NOT BE ACCEPTABLE

ALL HOSES SHALL BE PROTECTED WITH FABRIC GUARD

THE HYDRAULIC OIL TANK SHALL BE OF SUFFICIENT CAPACITY TO SERVE THE HYDRAULIC SYSTEM. THE TANK SHALL BE EQUIPPED WITH A SCREENED FILL PIPE AND CAP, FILTER BREATHER, CLEAN OUT COVER 5" IN DIAMETER, SHUT-OFF VALVE, MAGNETIC PLUG AND OIL LEVEL INDICATOR. TANK SHALL BE FRAME MOUNTED. ANY DEVIATION FROM THE ABOVE SHALL BE NOTED.

THE HYDRAULIC SYSTEM SHALL INCLUDE A TEN MICRON RETURN LINE FILTER ALONG WITH A 100 (140 MICRON) MESH REUSABLE OIL STRAINER IN THE SUCTION LINE.

THE MAIN CONTROL VALVE SHALL BE SECTIONAL IN ASSEMBLY, WITH RELIEF TO PREVENT OVERLOAD DAMAGE. VALVE DESIGN SHALL PROPERLY OPERATE ALL HYDRAULIC COMPONENTS

A HYDRAULIC PRESSURE GAUGE SHALL BE PROVIDED AND MOUNTED IN AN EASY TO READ LOCATION

FROM THE CAB BY THE OPERATOR.

OVERSPEED CONTROL SHALL BE PROVIDED WITH
POWER TAKE OFF UNIT

CONTROLS

ARMS AND FORKS SHALL BE CONTROLLED BY JOYSTICK.
TAILGATE AND TOP DOOR TO BE CONTROLLED BY IN-CAB
AIR CONTROLS. PACKING CYCLE AND FULL EJECTION
SHALL BE CONTROLLED BY PUSH BUTTON\AIR CONTROL

LIGHTING

ALL LIGHTS SHALL BE LED TYPE.
ALL LIGHTS AND REFLECTORS SHALL CONFORM TO
FEDERAL MOTOR VEHICLE STANDARD #108. A PACKER
FLOODLIGHT SHALL BE PROVIDED TO ILLUMINATE
THE HOPPER AREA. FLOODLIGHT CONTROL TO BE
PROVIDED ON INSTRUMENT PANEL. TAILGATE TO
INCLUDE STROBE LIGHT AND ADEQUATE BACK-UP
LIGHTING. RUNNING LIGHT, SIGNAL LIGHTS AND
REFLECTORS TO BE MOUNTED ON EACH SIDE OF
BODY.

PAINTING

ENTIRE BODY SHALL BE CLEANED OF ALL DIRT,
GREASE, AND WELD SLAG. A HIGH GRADE PRIMER
SHALL BE APPLIED FOLLOWED BY A FINISH COAT
OF HIGH GLOSS ACRYLIC URETHANE ENAMEL.
COLOR TO BE 1981 AMC JEEP, COLOR CODE A1
MONTANA BLUE OR EQUAL APPROVED BY
THE CITY OF JOHNSON CITY AND SHALL EXACTLY MATCH
COLOR OF CAB. STRIPING SHALL INCLUDE A 15” WIDE STRIPE
ALONG BOTH SIDES OF BODY AND WIDTH OF TAILGATE.
EXACT COLOR AND LOCATION TO BE DETERMINED
AFTER ORDER.

OTHER

CLEAN OUT SHOVEL KIT MOUNTED ON FORWARD SIDE
OF PACKER PANEL

HYDRAULIC OIL TANK HEATER 500-WATT

10 POUND FRAME MOUNTED FIRE EXTINGUISHER

FRAME MOUNTED TOOL BOX 18X18X36

MUDD FLAPS ANTI-SAIL/ANTI SPLASH
MOUNTED AHEAD OF REAR TIRES AND
BEHIND REARMOST TIRES

A REAR UNDERRIDE GUARD THE WIDTH OF THE
BODY SHALL BE INSTALLED TO MEET FEDERAL
MOTOR CARRIER SAFETY REGULATIONS

A STEEL FULL CAB SHIELD SHALL BE PROVIDED.
CAB SHIELD SHALL BE DESIGNED AND CONSTRUCTED
TO NOT INTERFERE WITH THE TILTING OF THE CAB
AND INCLUDE A LADDER FOR ACCESS.

FRONT FLAP OF CAB SHEILD SHALL BE RAISED
BY HYDRAULIC CYLINDERS EITHER BY MANUAL
JACKS OR BY SWITCH INSIDE OF CAB.

OPENING IN CAB SHIELD FOR VERTICLE EXHAUST
MUST BE COVERED BY A SCREEN TO PREVENT FOREIGN
OBJECTS FROM FALLING INTO ENGINE COMPARTMENT

SAFETY VISION SINGLE REAR VIEW CAMERA
WITH HEATER AND LCD COLOR MONITOR

WARRANTIES

BODY AND PARTS – **12 MONTH** UNCONDITIONAL
FROM WHEN UNIT IS DELIVERED TO THE CITY
WITH COST INCLUDED IN THE BID

LIFT ARM AND PACKING CYLINDERS- **FIVE YEAR**
UNCONDITIONAL FROM WHEN UNIT IS
DELIVERED TO THE CITY WITH COST INCLUDED
IN THE BID.

REPLACEMENT CYLINDERS – **FIVE YEAR**
UNCONDITIONAL FROM WHEN THE CYLINDER IS
DELIVERED TO THE CITY WITH COST INCLUDED
IN THE BID.

REPLACEMENT PTO PUMP- **FIVE YEAR**
UNCONDITIONAL FROM WHEN UNIT IS DELIVERED
TO THE CITY WITH COST INCLUDED IN THE BID.

SPECIFY NAME AND LOCATION OF
CYLINDER MANUFACTURER

BID SUBMITTALS:

PLEASE PROVIDE THE REQUESTED INFORMATION AS DESCRIBED BELOW AND ATTACH TO BID SPECIFICATIONS FOR CONSIDERATION.

1. LIST LOCATION OF PARTS INVENTORY.

2. PROVIDE WRITTEN VERIFICATION OF STEEL USED IN CONSTRUCTION OF THE COMPACTION BODY. VERICATION MUST BE SIGNED BY A PRINCIPAL OF THE BODY MANUFACTURER AND MUST BE INCLUDED WITH RETURN BID SUBMITTAL.

3. PROVIDE A LIST OF ALL UNITS SOLD (SAME MODEL AS PROPOSED) DURING THE PAST SIX MONTHS INCLUDING NAME OF COMPANY, LOCATION, CONTACT PERSON AND PHONE NUMBER.

4. IN ORDER FOR BID TO BE CONSIDERED, BIDDER MUST PROVIDE, IF REQUESTED BY THE CITY, A COMPLETE DEMONSTRATION UNIT READY FOR A 3 DAY USE WITHIN 14 DAYS OF REQUEST. IF UNABLE TO PROVIDE BIDDER MUST MAKE EXCEPTION STATEMENT ON BID FORM AT BIDDER'S EXPENSE.

**CITY OF JOHNSON CITY
SOLID WASTE DIVISION
SIDE LOADING AUTOMATED REFUSE COLLECTION VEHICLE**

It is the intent of these specifications to describe a complete low cab forward cab over truck chassis with right hand steering and a 33 cubic yard high compaction side loading automated collection body capable of handling 65 and 96 gallon carts for the collection of residential solid waste. All equipment being bid must be new, unused and the manufactures current model.

Bidder must complete and return this form for the bid to be considered responsive. A check mark shall be placed in each area of specification agreement. Any variance must be clearly identified and bidder may use a separate sheet if necessary. Exceptions to the specifications will be evaluated on an individual basis with the City alone determining the importance relating to the overall performance of the units being bid. Any omission from the specifications shall not relieve the bidder from the responsibility of furnishing a complete unit ready to use.

CHASSIS SPECIFICATIONS

BIDDERS RESPONSE

2013 MODEL , CAB OVER CHASSIS MEETING
DIMENSIONAL CHARACTERISTICS LISTED BELOW
(STATE MAKE AND MODEL)

WHEEL BASE (210” – 221”)

GVWR – 66,000 LBS MINIMUM

REAR AXLE: 46,000 ARVIN-MERITOR RT46-160
W/DRIVER CONTROL DIFFERENTIAL LOCK

MAGNETIC REAR AXLE TRAP (ALL)

HENDRICKSON HMX 460 46,000 LB REAR
SUSPENSION HAULMAXX 46000LB SUSPENSION
MINIMUM

FRONT AXLE – MERITOR MFS-20 20,000LB MINIMUM
W/22,000 LB TAPERED LEAF FRONT SUSPENSION AND
AUXILIARY LOAD CUSHIONS

HEAVY DUTY POWER STEERING
RESERVIOR, 4 QUART CAPACITY MIN

HEAVY DUTY REINFORCED FRAME: FRAME RAILS
HEAT TREATED ALLOY STEEL (110,000 PSI YIELD)
THROUGH 210” WB SGL CHANNEL FRAME RAILS
WITH ¼” THICK FULL LENGTH REINFORCEMENT
FRAME ‘C’ TYPE BOTH RAILS, BOLTED FRAME
WITH HUCKBOLT FASTENERS MIN.

HEAVY DUTY FRAME CROSS MEMBERS BEHIND CAB

BIDDERS RESPONSE

FRONT TOW HOOKS

LH FRAME MOUNTED 10 GALLON UREA TANK;
HORIZONTAL DPF W/RH VERTICAL SCR AND EXHAUST
SHEILDS

ENGINE:

DIESEL ENGINE – MINIMUM, FULLY ELECTRONIC
MINIMUM, FULLY ELECTRONIC, CUMMINS ISX
OR EQUAL, MINIMUM 11.9 LITER, 350 HP AT 2100
RPM, 1450 FT LB TORQUE. JACOBS BRAKE
WITH FIVE (5) YEAR EXTENDED WARRANTY
INCLUDED IN BASE BID. FRONT ENGINE PTO
PROVISION. ENGINE SHALL HAVE PARKED
MANUAL REGENERATIVE INITIATE SWITCH.

TRANSMISSION AND EQUIPMENT

AUTOMATIC TRANSMISSION – ALLISON 4500 RDS
6 SPEED, **WITH 5 YEAR EXTENDED WARRANTY.**
ALLISON PUSH BUTTON CONTROLS. TRANSMISSION
CONTROLS. TRANSMISSION COOLER.
GEARED COMPATIBLE WITH AXLE,
BOTH FOR NORMAL HIGHWAY SPEED (70 MPH TOP SPEED)

BRAKE SYSTEM

AIR COMPRESSOR – 18.7 CFM CUMMINS WABCO, MIN

BENDIX AIR DRYER WITH ELECTRIC HEATER ADIP, MIN

AUTOMATIC MOISTURE EJECTURES ALL TANKS

FULL S-CAM TYPE FRONT AND REAR BRAKES,
ABS FEDERAL ANTI-LOCK BRAKING SYSTEM
WITH Q PLUS BRAKES FRONT AND REAR
FRONT: 16.5 X 6 Q PLUS REAR: 16.5 X 7 Q PLUS

ARVIN MERITOR AUTOMATIC SLACK ADJUSTERS
FRONT AND REAR

PARKING BRAKES BOTH REAR TANDEM

BRAKE DUST SHEILDS ALL WHEELS

ELECTRICAL

ALL LIGHTING SHALL BE LED TYPE
TO INCLUDE SIDE BED AND REAR WITH

CAB MARKERS

BIDDERS RESPONSE

145 AMP ALTERNATOR MIN

(3) 12 VOLT MAINTENANCE FREE BATTERIES
2250 CCA MIN

STARTER: DELCO REMY 12V 4VOC 400-XXX

110 VOLT 1500 WATT ENGINE BLOCK HEATER

BATTERY DISCONNECT SWITCH MOUNTED NEAR
BATTERY LOCATION W/BOOST LUGS

(4) FOUR EACH SPARE FUSED TOGGLE TYPE SWITCHES
IN CAB

CB RADIO HOOK UP IN CAB (+-)

POWER OUTLET – 12 VOLT

CRUISE CONTROL FOR HIGH IDLE

FULL INSTRUMENTATION GAUGES

ENGINE WARNING SYSTEM FOR LOW OIL PRESSURE
OR OVERHEATING CONDITIONS

AM/FM RADIO

OTHER ITEMS

5 YEAR UNCONDITIONAL TURBO WARRANTY

RIGHT HAND STEERING ONLY

OSHA APPROVED BACK-UP ALARM

FUEL/WATER SEPARATOR

COOLING: HEAVY DUTY RADIATOR WITH
CHARGE AIR COOLER AND ELECTRIC FAN CONTROL
ELECTRIC OVERRIDE SWITCH

100 GALLON FUEL CAPACITY MINIMUM

VERTICAL EXHAUST W/MUFFLER

DUAL POLISHED AIR HORNS

BIDDERS RESPONSE

HEATED WEST COAST MIRRORS WITH 7" CONVEX
SPOT MIRRORS WITH REMOTE CONTROL MIRROR
LEFT SIDE ONLY.

AIR SUSPENSION DRIVERS SEAT

STATIONARY PASSENGER SEAT

FACTORY INSTALLED R134A AIR CONDITIONER
INTEGRAL WITH HEATER

GLARE TINTED WINDSHEILD

CAB LATCH RELEASE HANDLES OR CABLES
BOTH SIDES, MOUNTED BEHIND CAB

CAB JACK

FRONT TIRES 425/65R22.5 – 20 PLY
MICHELIN XZY M/S

REAR TIRES 11R22.5 – 16 PLY
MICHELIN XDE M/S

ACCURIDE STEEL WHEELS (BUDD TYPE)

ENGINE OIL DIPSTICK AND FILL TUBE
MOUNTED BEHIND CAB, RIGHT SIDE

COLOR – DUPONT P6057-HP DOVETONE GRAY
OR EQUAL TO BE DETERMINED AT TIME OF
ORDER.

FRAME MOUNTED TOOL BOX
PLEASE SPECIFY SIZE

10 LB FRAME MOUNTED FIRE EXTINGUISHER

UNIT SHALL BE EQUIPPED WITH A REMOVABLE SCREEN BETWEEN
THE CAB AND BED TO PREVENT TRASH AND DEBRIS FROM
FALLING INTO THE TRANSMISSION AND ENGINE
COMPARTMENT.

MANUALS

UNITS SHALL BE DELIVERED WITH THE STANDARD
OWNER/OPERATOR MANUALS (1) ONE EACH AND A TOTAL OF ONE (1)
SET OF SERVICE MANUALS AND (1) ONE SET OF
PARTS BOOKS.

BIDDERS RESPONSE

ALL MANUFACTURES STANDARD EQUIPMENT AND
THREE (3) SETS OF KEYS

SUCCESSFUL VENDOR SHALL BE REQUIRED TO PROVIDE
A DETAILED LIST OF FILTERS, RECOMMENDED LUBRICANT
VISCOSITIES, AND ANY OTHER WARRANTY REQUIREMENTS
ASSOCIATED WITH THIS UNIT.

WARRANTY INFORMATION

VENDOR TO STATE WARRANTY PERIOD OFFERED BY THE
MANUFACTURER AND SUB MANUFACTURER. NOTE: VENDOR
MUST CARRY ALL MANUFACTURERS WARRANTY!

VENDOR TO STATE, FOR SEPARATE CONSIDERATION, THE
AVAILABILITY OF ANY EXTENDED WARRANTIES AND
THEIR ASSOCIATED COSTS OTHER THAN TRANSMISSION
AND ENGINE.

COMPACTION BODY SPECIFICATIONS

MAKE AND MODEL

BODY CAPACITY EXCLUDING HOPPER (28 CY MIN)

HOPPER CAPACITY (5 CY MIN)

COMPACTION BODY MUST BE CAPABLE OF CONSISTENTLY
PACKING 1000 LBS/CU YD OF RESIDENTIAL WASTE.

UNLOADING SYSTEM SHALL BE FULL EJECT METHOD.

BODY CONSTRUCTION

NO HYDRAULIC CYLINDERS, VALVE OR
OTHER HYDRAULIC COMPONENTS SHOULD COME
IN CONTACT WITH REFUSE PACKED INTO THE BODY.

BODY FLOORING SHALL BE FLAT FULL WIDTH
3/16", 184,000 PSI MINIMUM YIELD ABRASION
RESISTANT STEEL.

CROSS MEMBERS SHALL BE 10 GAUGE, 80,000 PSI
3"X6" ONE-PIECE FULL WIDTH INTERLACED
THROUGH 11" 7 GAUGE 80,000 PSI MINIMUM
YIELD LONG MEMBERS.

BODY ROOF SHALL BE 8 GAUGE, 80,000
PSI MINIMUM YIELD STEEL.

BIDDERS RESPONSE

BODY SIDES SHALL BE 8 GAUGE, 80,000
PSI MINIMUM YIELD HIGH TENSILE STEEL SHEET.

PACKER PANEL GUIDE RAIL BOTTOM EDGE SHALL
BE 3 3/4" ABOVE FLOOR CORNERS AND INTREGRAL
TO BODY FLOOR SHEETS.

THE BODY SHALL BE EQUIPPED WITH A
REAR UNDER RIDE GUARD.

HOPPER CONSTRUCTION

HOPPER SHALL HAVE A FLAT FLOOR AND STRAIGHT
VERTICAL SIDEWALLS.

HOPPER LONG MEMBERS SHALL BE 7 GAUGE 80,000
PSI FORMED STEEL CHANNELS INTERLACED WITH
11" 7 GAUGE 80,000 PSI STEEL CHANNEL
LONG MEMBERS.

CROSS MEMBERS SHALL BE OF FULL WIDTH,
SINGLE PIECE CONSTRUCTION.

HOPPER FLOOR SHALL BE MINIMUM 1/4", 184,000
PSI MINIMUM YIELD AR400 ABRASION
RESISTANT STEEL

HOPPER SIDES MINIMUM 3/16", 184,000 PSI
MINIMUM YIELD STEEL.

HOPPER SHALL HAVE A 40 GALLON FRONT SUMP
WITH DUAL CLEAN-OUT DOORS MIN.

SHALL HAVE SIDE ACCESS DOOR WITH STEPS AND
GRAB HANDLES.

MUST HAVE HOPPER HOOD

PACKING MECHANISM

STATE PACKING PANEL CYCLE TIMES FORWARD AND
REVERSE.

BIDDERS RESPONSE

PACKING PANEL FACE SHALL BE MINIMUM
1/4", 80,000 PSI MINIMUM YIELD, AR STEEL PLATE

HOPPER ZONE GUIDE RAILS ALONG THE SIDE OF THE
BODY SHALL BE 1/4" ANGLE WELDED TO 3 1/2" X 31/2" X
5/16" STEEL TUBING ON EACH SIDE OF THE BODY

HOPPER ZONE GUIDE RAILS SHALL BE CLAD WITH 1/4"
145,000 PSI YIELD AR STEEL WEAR BARS

THE GUIDE PERCH ON EACH SIDE OF THE
PACKER PANEL SHALL BE 3"X6"X1/4"
STRUCTURAL TUBING CLAD WITH 1/4"
145,000 PSI MINIMUM YIELD AR STEEL TOP
AND SIDE WEAR BAR; AND, 3/8" BOTTOM WEAR BAR

THE PACKER PANEL SHALL HAVE BOLT-ON LUGS
FOR EACH OF THE 2 PACKING CYLINDERS. THE
CYLINDERS SHALL ATTACH TO THE PACKER PANEL
LUGS VIA TWO INCH (2) DIAMETER PINS. CYLINDER
REMOVAL SHALL BE ACCOMPLISHED BY EITHER
PULLING THE PINS OR BY REMOVING THE
ENTIRE BOLT-ON LUGS.

THE PACKER SHALL HAVE TWO (2) DOUBLE
ACTING MULTI-STAGE CYLINDERS WITH
CHROME PLATED TUBES. PLEASE SPECIFY SIZE.

PACKING MAY OCCUR AT ANY TIME DURING
THE OPERATION OF THE LIFTING MECHANISM
AS WELL AS DURING TRAVEL

THE PACKING PANEL CONTROLS SHALL BE
ELECTRIC OVER HYDRAULIC AND LOCATED
FOR RIGHT SIDE OF CAB OPERATION.
A COMPLETE PACKING CYCLE SHALL BE INITIATED
BY DEPRESSING A SINGLE CONTROL . SEPARATE
CONTROLS SHALL BE PROVIDED FOR PACK AND
RETRACT FUNCTIONS.

EMERGENCY ON/OFF BUTTON TO STOP PACKER
PANEL MOVEMENT SHALL BE PROVIDED.

UNIT MUST BE CAPABLE OF ALLOWING THE OPERATOR
TO AUTOMATICALLY START PACKING FUNCTION
AFTER A PREDETERMINED NUMBER OF LIFT CYCLES.

BIDDERS RESPONSE

TAILGATE

5.3 CUBIC YARD TAILGATE, TOP HINGED AND OPEN APPROXIMATELY 30° ABOVE HORIZONTAL

TAILGATE- 10 GAUGE, 80,000 PSI MINIMUM YIELD STEEL.

THE TAILGATE SHALL BE SECURED TO THE BODY BY TWO (2) SETS OF HINGES WITH 2" HINGE PINS MIN.

A HEAVY DUTY REAR DOOR SEAL SHALL BE INSTALLED THE FULL WIDTH OF THE BOTTOM AND A MINIMUM OF 56" UP THE SIDES OF THE TAILGATE TO PREVENT LEAKAGE.

THE TAILGATE SHALL RAISE AND LOWER BY TWO (2) DOUBLE ACTING CYLINDERS WITH CHROME PLATED ROD. CYLINDER SHALL HAVE AN ORIFICE FITTING IN THE BASE PORT, TO PREVENT THE RAPID DESCENT OF THE TAILGATE

THE TAILGATE SHALL BE LOCKED BY TWO (2) CYLINDERS WITH HARDENED CHROME PLATED RODS. THE LOCK AND TAILGATE CYLINDERS SHALL BE ACTUATED BY SEPARATE CONTROLS IN THE CAB.

AN IN-CAB MOUNTED LIGHT AND AUDIBLE ALARM INDICATING THAT THE TAILGATE IS NOT FULLY CLOSED AND LOCKED SHALL BE PROVIDED.

LIFTING MECHANISM

LIFTING MECHANISM SHALL HAVE A MINIMUM 108" REACH.

PLEASE SPECIFY LIFT CAPACITY AT 5' AND FULLY EXTENDED

PLEASE SPECIFY CYCLE TIME

GRABBERS MUST BE CAPABLE OF HANDLING 65-96 GALLON CONTAINERS WITHOUT CHANGING GRABBERS .

THE LIFT MUST BE CONTROLLED BY A SELF CENTERING JOYSTICK WITH THUMB CONTROLS FOR THE GRABBER OPEN AND CLOSE FUNCTIONS.

BIDDERS RESPONSE

LIFTING MECHANISM MUST BE CAPABLE OF LIFTING, GRABBING, RAISING, DUMPING AND RETURN A CONTAINER FROM ANY POSITION WITHOUT THE NEED TO RETRACT THE LIFT ARM.

LIFT ARM MUST BE CAPABLE OF REACHING CONTAINERS BELOW GRADE LEVEL.

HYDRAULICS

THE MAXIMUM SYSTEM OPERATING PRESSURE SHALL BE 2500 PSI.

THE HYDRAULIC PUMP SHALL BE DESIGNED TO OPERATE IN GEAR AT IDLE.

THE HYDRAULIC PUMP SHALL BE A FRONT ENGINE, CRANK DRIVEN, DENISON SINGLE VANE PUMP WITH ELECTRONIC OVERSPEED CONTROL. THE FLOW RATE MINIMUM SHALL BE 28 GPM @ 800 RPM. THE PUMP SHALL HAVE A COMBINED FLOW RATE OF 44 GPM AT 1200 RPM WITH (5) FIVE YEAR WARRANTY.

ALL HYDRAULIC TUBES MUST BE SECURELY CLAMPED TO PREVENT VIBRATION, ABRASION, AND NOISE.

ALL HIGH PRESSURE HOSES SHALL BE SLEEVED WITH FABRIC GUARD FOR ADDED PROTECTION.

ALL HYDRAULIC HOSES MUST MEET OR EXCEED THE S.A.E STANDARDS.

THE HYDRAULIC OIL RESERVOIR MUST HAVE A SCREENED FILL PIPE AND CAP, FILTER BREATHER, SHUT OFF VALVE, CLEAN OUT COVER, AND OIL LEVEL SIGHT AND TEMPERATURE GAUGE.

HYDRAULIC SYSTEM MUST BE PROTECTED BY A 3 MICRON, IN TANK, RETURN FILTER WITH A MINIMUM 100 MESH (140 MICRON) REUSABLE OIL STRAINER.

HYDRAULIC SYSTEM MUST OPERATE AT AN ACCEPTABLE TEMPERATURE WITHOUT AN EXTERNAL HYDRAULIC OIL COOLING DEVICE.

BIDDERS RESPONSE

ELECTRICAL AND LIGHTING

A PLC (PROGRAMMABLE LOGIC CONTROLLER) ELECTRONIC CONTROL CENTER MONITORS SYSTEM FUNCTIONS. THE PLC HAS SELF-DIAGNOSING ERROR CODES WHICH IDENTIFY THE TROUBLE SOURCE.

ALL ELECTRICAL WIRING CONNECTORES ARE AUTOMOTIVE DOUBLE-SEAL, WITH WIRING IN SPLIT CONVOLUTED LOOM. ALL WIRING CONNECTIONS ARE SOLDERED WITH RUBBER MOLDED COVERING OR CRIMP TYPE CONNECTORS WITH SHRINK WRAP. UNPROTECTED WIRING IN ANY APPLICATION IS UNACCEPTABLE.

BODY SHALL HAVE (2) TWO OBSERVEVIEW CAMERAS WITH 7" COLOR MONITOR. ONE CAMERA SHALL BE LOCATED ON THE TAILGATE AS WELL AS THE HOPPER AREA. THE MONITOR SHALL BE MOUNTED IN THE CAB FOR RIGHT HAND OPERATION.

ALL SWITCHES NOT MANUALLY OPERATED SHALL BE PROXIMITY TYPE. MECHANICAL SWITCHES ARE UNACCEPTABLE.

CLEARANCE, BACKUP, AND DIRECTIONAL LIGHT ARE LED WITH LEXAN LENS, SHOCK MOUNTED IN A PROTECTIVE HOUSING. THE ENTIRE UNIT IS REPLACEABLE POP OUT

ALL LIGHTS MUST BE IN ACCORDANCE WITH FMVSS #108 AND ANSI 245.1-1999, PLUS MID BODY LED TURN SIGNAL ON EACH SIDE OF THE BODY AND A CENTER LED BRAKE LIGHT.

REAR RECESSED LED STROBE LIGHT WITH IN-CAB CONTROLS. REAR STROBES ARE MOUNTED AT THE UPPER AND LOWER TAILGATE REAR CORNERS AND HAVE FLASHING PATTERNS CONTROLLABLE IN THE CAB.

UNIT SHALL HAVE FRONT RECESSED LED STROBE LIGHT AND TWO (2) REAR AMBER STROBE BEACONS AND ONE (1) FRONT AMBER STROBE BEACON WITH IN-CAB CONTROLS.

BIDDERS RESPONSE

UNIT SHALL BE EQUIPPED WITH A HOPPER FLOODLIGHT AND A WORK LIGHT THAT ILLUMINATES THE CONTAINER LIFT AREA WITH IN-CAB SWITCH.

OTHER

UNIT SHALL BE EQUIPPED WITH A SENSOR SYSTEM THAT ALERTS DRIVER WITH WARNING LIGHT AND ALARM, **NO AUTO BRAKING**, WHEN OBJECT IS DETECTED BEHIND VEHICLE WHILE BACKING. PLEASE SPECIFY TYPE AND MANUFACTURER.

PAINTING

ENTIRE BODY SHALL BE CLEANED OF ALL DIRT, GREASE, AND WELD SLAG. A HIGH GRADE PRIMER SHALL BE APPLIED FOLLOWED BY A FINISH COAT OF HIGH GLOSS ACRYLIC URETHANE ENAMEL. COLOR TO BE DUPONT P6057-HP DOVETONE GRAY OR EQUAL APPROVED BY THE CITY OF JOHNSON CITY AND SHALL EXACTLY MATCH COLOR OF CAB. STRIPING SHALL INCLUDE A 15" WIDE STRIPE ALONG BOTH SIDES OF BODY AND WIDTH OF TAILGATE. EXACT COLOR AND LOCATION TO BE DETERMINED AFTER ORDER.

WARRANTIES

BODY AND PARTS – **24 MONTH UNCONDITIONAL** FROM WHEN UNIT IS DELIVERED TO THE CITY WITH COST INCLUDED IN THE BID

LIFT ARM AND PACKING CYLINDERS- **FIVE YEAR UNCONDITIONAL** FROM WHEN CYLINDER IS DELIVERED TO THE CITY WITH COST INCLUDED IN THE BID.

REPLACEMENT CYLINDERS – **FIVE YEAR UNCONDITIONAL** FROM WHEN THE CYLINDER IS DELIVERED TO THE CITY WITH COST INCLUDED IN THE BID.

HYDRAULIC PUMP (5) **FIVE YEAR UNCONDITIONAL WARRANTY**

SPECIFY NAME AND LOCATION OF CYLINDER MANUFACTURER

BIDDERS RESPONSE

VENDOR TO STATE, FOR SEPARATE CONSIDERATION, THE AVAILABILITY OF ANY EXTENDED WARRANTY AND THEIR ASSOCIATED COSTS OTHER THAN PREVIOUSLY SPECIFIED.

BID SUBMITTALS:

PLEASE PROVIDE THE REQUESTED INFORMATION AS DESCRIBED BELOW **AND ATTACH TO BID SPECIFICATIONS FOR CONSIDERATION.**

1. LIST LOCATION OF PARTS INVENTORY.

2. PROVIDE WRITTEN VERIFICATION OF STEEL USED IN CONSTRUCTION OF THE COMPACTION BODY. VERIFICATION MUST BE SIGNED BY A PRINCIPAL OF THE BODY MANUFACTURER AND MUST BE INCLUDED WITH RETURN BID SUBMITTAL.

3. PROVIDE A LIST OF ALL UNITS SOLD (SAME MODEL AS PROPOSED) DURING THE PAST SIX MONTHS INCLUDING NAME OF COMPANY, LOCATION, CONTACT PERSON AND PHONE NUMBER.

4. IN ORDER FOR BID TO BE CONSIDERED, BIDDER MUST PROVIDE, IF REQUESTED BY THE CITY, A COMPLETE DEMONSTRATION UNIT READY FOR A 3 DAY USE WITHIN 14 DAYS OF REQUEST. IF UNABLE TO PROVIDE BIDDER MUST MAKE EXCEPTION STATEMENT ON BID FORM AT BIDDER'S EXPENSE.



VEHICLE/EQUIPMENT DELIVERY & ACCEPTANCE PROCEDURES

ACCEPTANCE - DELIVERY DOES NOT MEAN ACCEPTANCE. ALL VEHICLES/EQUIPMENT ARE SUBJECT TO INSPECTION TO ESTABLISH CONFORMITY TO SPECIFICATIONS PRIOR TO ACCEPTANCE.

1. Prior to delivery:
 - Tires are to be inspected to insure proper inflation levels.
 - All fluid levels to be checked and corrected as needed.
 - Remove any unnecessary manufacturer's tape, stickers, decals, labels or other items except for the itemized window sticker with e.p.a. fuel economy estimates.
 - Vehicle is to be test driven and all features are to be checked to insure proper operation.
 - Any final assembly or installation of features, equipment or any options must be completed prior to delivery.
 - All necessary repairs and/or adjustments must be made prior to delivery.
2. Vendor must give Motor Transport 24-hour notice prior to delivery (423) 975-2751.
3. Delivery shall be made during regular working hours, Monday through Friday, excluding Holidays.
4. Vehicle or equipment will not be accepted if delivered to the wrong address.
5. Vendor must bring original specification sheets with vehicle delivery and **MUST** provide certificate of origin when vehicle is delivered.
6. Vendor must agree to sign the Acknowledgement of Receipt form (*sample form attached*) at time of vehicle/equipment delivery.
7. City has 48 hours (excluding weekends, Holidays, vacation leave) to inspect vehicle/equipment for specification compliance.

ACKNOWLEDGEMENT OF RECEIPT VEHICLE/EQUIPMENT DELIVERY

The City of Johnson City acknowledges receipt of the following described vehicle or equipment:

Year	Make	Model	VIN	New/Used	Price

Above described property was delivered to 209 Water Street, Johnson City, Tennessee.

The City, by accepting receipt of this vehicle(s) or equipment, does not provide insurance coverage on the vehicle(s) or equipment and further declares that inspection has not been completed to determine compliance with City specifications. The City shall take ownership of and provide insurance on vehicles and equipment only after the City ascertains that the vehicles or equipment comply with City specifications. The City reserves the right to reject any non-conforming tender or delivery of vehicles, goods, or equipment.

Motor Transport Representative

Date

Vendor

Vendor Representative

Date



CITY OF JOHNSON CITY, TENNESSEE

BID/PROPOSAL GENERAL TERMS AND CONDITIONS (Read Carefully)

1. PREPARATION OF BIDS/RFP'S

Only bids submitted on forms furnished by the city will be considered. Bids on company letterhead or quotation sheets will be judged non-responsive. TELEPHONE OR FACSIMILE BIDS WILL NOT BE ACCEPTED. Electronic receipt of bids/proposals is acceptable for those posted at: <https://purchasing.johnsoncitytn.org/bsa>. Paper bids shall be sealed in an envelope. No bid received after closing time shall be considered. The official time for paper bids will be that of the date and time clock in the Purchasing Department. For electronic bids the official time is that posted on the website. Late bids will not be accepted. The City of Johnson City shall not be responsible for technical difficulties experienced by vendors trying to register or submit their bid/rfp response electronically less than one hour prior to the bid/rfp opening time. If not offering a bid/proposal response, the vendor is encouraged to complete the "Statement of Decline" form and return prior to solicitation opening.

2. SIGNATURE ON BIDS

When submitting a bid, other than electronically, the bid form must contain the full name and address of the company and be signed in ink by a person authorized to bind that company to a contract. Submission of an electronic solicitation constitutes acceptance of all terms and conditions. Unsigned paper bids will not be considered, read or tabulated. They may not be signed during or after the bid opening, even if a representative is present.

3. PRICING

All pricing must appear in the spaces provided on the city's form (if applicable) and be in ink or typed. Changes or corrections by the bidder/proposer must be initialed in ink by the person signing. No corrections may be made in pencil. Unit prices will prevail in case of an extension error. The City will correct math computation errors (unit price & totals). No bid may be altered or amended after bid opening time. Obvious mistakes will be given special consideration upon receipt of written request and full disclosure or evidence regarding pricing error.

4. BID/RFP OPENINGS

Bids/RFP's (paper & electronic) will be read aloud at the specified date and time as stated in the document. All openings are public meetings. All bidders/proposers and interested persons are invited to attend. The City reserves the right to postpone any bid/rfp opening under circumstances warranting such action, including but not limited to instances when the City receives fewer than two responses.

5. EXAMINATION OF BIDS/RFP'S

Bids/RFP's and associated documents may be examined at the opening. They are closed for review and inspection during the evaluation period prior to award.

6. COOPERATIVE PURCHASING:

Bidders/Proposers are to indicate whether it is permissible for other governments in Tennessee to purchase these items or services at the same price. Freight charges can be adjusted to reflect differences in delivery costs.

7. BID TABULATIONS/RFP RESPONSES

Bid tabulations and RFP respondent's lists will be posted and available the next business day on our website: <http://www.johnsoncitytn.org> then select Purchasing Department, Current Bid/Notices.

8. MULTIPLE ITEM BIDS

The City will determine the successful bidder(s) either on the basis of the individual line items or the total of all items. ALL OR NONE bids must be clearly identified on the bid form and will be considered only if in the City's best interest.

9. BID/RFP EVALUATION

Bids/RFP's will be evaluated according to the criteria set forth in the document with the degree of importance determined by the City.

10. ACCEPTANCE, REJECTION AND POSTPONEMENT

Issuance of a bid/rfp does not commit the City to make an award. The City reserves the right to postpone or reject any or all bids/rfp's, to waive informalities and to accept the bid/rfp judged to be in the best interest of the City.

11. AWARD

An award, if made, shall be to the lowest responsible, responsive bidder(s) or best proposal meeting quality and performance standards as described in the solicitation documents and whose bid/rfp is determined to be in the best interest of the City.

12. AWARD PERIOD

The City shall have 60 days to issue a contract. Any contract past that period must be mutually agreed upon by both parties.

13. FOB POINT

All prices quoted shall be FOB delivered to the using department, City of Johnson City, TN unless otherwise stated in the solicitation document. Risk of loss and/or damage shall be upon the Seller until such time as the goods have been physically delivered and accepted by the City.

14. DISCOUNT AND PAYMENT

Payment terms are Net 30 following receipt of the material or service and a correct invoice unless otherwise stated in the solicitation document. Discounts for prompt payment will not be considered in the bid evaluation for award. Partial payment will be allowed only if addressed in the solicitation.

15. TAXES

The City is exempt from Federal excise tax, State, and city sales tax. Contractors are not exempt from the use tax on materials and supplies used in the production of an item or in the performance of a repair or construction contract. Tax exemption certificates will be furnished upon request.

16. TERM OF CONTRACT

Unless otherwise stated, the City reserves the right to purchase like items at the same contract price for a period of one year from the award date subject to agreement of both parties. The City may cancel any contract for cause following written notification of intent.

17. ORAL INSTRUCTIONS

No oral interpretations or instructions given by any city employee or any other person shall apply. Changes relative to any solicitation will be in writing to all known interested parties and posted on the City's website. These addendums will originate either from the Purchasing Department or the issuing Architect.

18. DELIVERY

Delivery/completion schedule must be clearly identified and realistically stated, as this may be a determining factor in the award.

19. SAFETY STANDARDS

All manufactured items and fabricated assemblies shall comply with applicable requirements of OSHA and any related standards thereto.

20. BRAND NAMES

By referencing a brand name or equal, the City intends to establish a minimum level of quality by which alternate offers can be judged. If an alternate is offered, the vendor must include complete descriptive literature and specifications that clearly describe the item and how it differs from the referenced item. Vendor reference to literature previously submitted will not satisfy this provision. Unless specified otherwise, it is understood that the referenced product will be furnished. The City alone will determine whether an alternate is equivalent and meets the standards of quality and performance for the City's use. A sample or demonstration may be required at the expense of the vendor.

21. EQUAL OPPORTUNITY

It is the policy of the City of Johnson City to ensure compliance with Title VI of the Civil Rights Act of 1964; 49 CFR, Part 21; related statutes and regulations to that end that no person shall be excluded from participation in or be denied benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance or any other funding source on the grounds of race, color, sex, national origin, or ancestry. By virtue of submitting a response to this solicitation, vendors agree to comply with the same non-discrimination policy.

22. SAMPLES

Samples will be furnished at no charge to the City. They will remain in the Purchasing Department for testing and evaluation until an award is made. Vendors are responsible for picking up their samples within two (2) weeks after the award. Samples not collected after that time shall become the property of the City. Samples from the successful vendor will be held until delivery is received and accepted as being equal to the sample.

23. CONDITION STANDARDS

It is understood and agreed that any item offered or shipped as a result of this solicitation shall be new and unused and the manufacturer's latest model unless otherwise called for in the solicitation.

24. INSPECTION

All supplies or materials purchased as a result of this solicitation are subject to inspection and rejection by the City. Rejected materials will be returned at the vendor's expense.

25. PARTS AND SERVICE

The successful vendor must be able to provide adequate parts and service for all items awarded. Service location and ability to perform may be a consideration in the award.

26. WARRANTY

Unless otherwise specified by the City, all items shall be guaranteed for a minimum period of one (1) year against defects in material and workmanship.

27. LICENSES, FEES, PERMITS

The contractor is responsible for furnishing the proper licenses, fees, and permits required by law to do business with the City of Johnson City in completion of the project. All work shall be done in accordance with the latest building codes, state and federal laws relative to public works contracts.

28. INSURANCE

The contractor shall maintain, at his expense, such insurance as will protect him from claims under Worker's Compensation Act and from claims of damages because of bodily injury, including death and damage to the property of others and claims for damages which may arise during operations under this contract whether such operations be by himself or by any subcontractor of anyone directly or indirectly employed by either of them. Any required insurances shall be maintained for the term of the contract.

29. INDEMNIFICATION

The vendor shall guarantee and certify by submitting a response to this solicitation that if successful, they shall indemnify and defend the City against any and all claims or legal actions arising as a result of their performance of the contract, whether or not such claims relate to damages or alleged damages sustained by physical injury to contractors personnel, subcontractors, city employees or other persons, or against any lawsuits arising from alleged or actual patent infringements, and shall hold the City, its various departments, employees, and any and all persons or entities acting on its behalf harmless from the same.

30. DEFAULT

In case of contractor default or failure to provide material or service according to the solicitations, the City may cancel this contract and acquire from another source and may recover any excess cost by (1) invoice; (2) deduction from an unpaid balance due; (3) collection against the bid and/or performance bond; or (4) a combination of the aforementioned remedies or other remedies provided by law. All costs associated with default will be borne by the contractor. The City reserves the right to remove a company in default from the active vendor list for a time period to be determined by the Director of Purchasing.

31. PENALTIES

Vendors may be removed from our active vendor system for any of the following:

- ◆ Failure to respond to three consecutive solicitations
- ◆ Failure to meet delivery requirements
- ◆ Failure to furnish items as a result of a solicitation
- ◆ Failure to provide service or material as a result of the award
- ◆ Offers of gratuities or favors to any City employee

32. NON-COLLUSION AGREEMENT

By submitting this solicitation, the agent representing all officers, partners, owners, representatives, employees or interested parties of the vendor's firm certifies to the best of his/her knowledge and belief this bid/proposal to the City of Johnson City, Tennessee has not been prepared in collusion with any other seller, proprietor, or manufacturer of similar products or services. The agent also certifies that the prices, terms and conditions of said bid/proposal have been arrived at independently and have not been communicated by the submitter, nor by any of the aforementioned firm associate to any other seller, proprietor, or manufacturer of similar products or services and will not be communicated prior to the official opening of said solicitation. The agent further states that no official or employee of the City of Johnson City has promised any personal, financial or other beneficial interest, either directly or indirectly, in order to influence award of this solicitation.

REQUIREMENTS FOR BIDS, REQUESTS FOR PROPOSALS, AND CONTRACTS
BETWEEN THE CITY OF JOHNSON CITY
AND OTHER PARTIES

The City of Johnson City has established the following requirements for use in all bids and contracts between the City and any other person or entity. The following list is mandatory and modifies any bid, contract, or request for proposal, or conditions applicable to, signed by, or let by the City, notwithstanding anything contained in any particular conditions, contract, request for proposal, or bid to the contrary.

In general, the following provisions apply to all such contracts, bids, requests for proposals, contracts requiring bids, and bids containing contracts:

1. The City of Johnson City shall not answer to any contracting party for the furnishing of public records to a person requesting such in accordance with Tennessee law.
2. The City, while it may designate in writing a representative on a particular project, shall only be bound by a majority vote of the Board of Commissioners or by the limited authority delegated to the City Manager pursuant to City Ordinance. No personal representative of the City assigned to a particular project may bind it in excess of the dollar amounts granted to the City Manager by Ordinance, and no personal representative assigned to a particular project may bind the City for an amount equal to or less than the dollar amounts granted to the City Manager by Ordinance without the City Manager's approval.
3. The City shall not in any event waive any claims for damages including but not limited to consequential damages in any contract for any reason or purpose.
4. No decision of an architect, engineer, or personal representative of the City shall be final and binding on the City, unless the City so agrees in any dispute with any party including but not limited to an architect, a contractor, a subcontractor, an engineer, etc. If the City agrees to be bound pertaining to a dispute, then the monetary limits contained in the City's ordinances regarding the authority of the City Manager shall prevail, and any amounts exceeding the authority of the City Manager shall be referred to the Board of Commissioners for their consideration.
5. The City shall not participate in any mediation or arbitration regarding any agreement to which it is a party, and all matters left unresolved between the City and any other party, person, or entity shall be resolved in a court of competent jurisdiction in either Washington County, Tennessee, or in Federal District Court in Greeneville, Tennessee.
6. No party or other entity shall file a lien of any nature whatsoever against City property, real, personal, or mixed, no matter where that property is located. Should a party or entity contracting with the City or acting as a subcontractor or subsubcontractor file a lien against any property, real, personal, or mixed, owned by the City, then that party or entity shall take immediate steps at its own cost and expense to remove said lien, or the City shall take such steps as it deems necessary and hold the other party or entity liable for any costs and attorneys' fees associated with the lifting of said lien.
7. The City shall exercise its sole discretion before agreeing to any assignments of any contracts or subcontracts regarding any project in which the City is involved. No contract with the City shall be assignable without the City's sole, discretionary, absolute consent.
8. The City shall not be required to supply any information regarding its title to any property in which it has an interest for any purposes regarding the filing of liens.
9. The City shall not waive any claims it has in the making of final payment in any project in which it is involved. The City shall have the right to terminate any agreement to which this document is attached at any time in its sole discretion without cause. In the event the City terminates without cause any agreement to which this document is attached, then in such event the City shall be liable only for the actual work and costs that have accrued at or before the date of the City's termination. In no event shall the City be liable for lost profits, consequential damages or incidental damages in the event it terminates a contract without cause.
10. Except to the extent allowed by law, the City shall not indemnify and hold harmless any other party, entity, person, their agents, employees, or anyone else in the world for any reason whatsoever.
11. The City shall not waive the rights of subrogation of its insurers or itself for any purpose whatsoever, and the City shall not cause any such endorsements to be placed on any policies to which it is a party.
12. Unless the City elects otherwise, the City shall not provide any "builders' risk" or an "all-risk" or equivalent policy for any reason whatsoever for any project in which the City has an interest, and the contractor or other such party shall assume this responsibility. That builder's risk policy provided by the contractor or other such interested party shall name the City as an additional insured. The City shall not provide boiler and machinery insurance, but shall require such insurance as applicable, depending on the parameters of whatever project is involved. The cost of boiler and machinery insurance shall be borne by the appropriate contractor, subcontractor, or other interested party. The City shall not insure the interests of any other person or entity, nor shall the City add any other person or entity as an additional insured to any of its policies.

13. The City shall not waive any rights regarding the loss of use of the City's property.
14. As to acts or failures to act or any causes of action by any party to a contract, whether that party be the architect, owner, contractor, City, etc., a cause of action shall accrue according to Tennessee law. No contract provision shall shorten the statutes of limitations, statutes of repose, or the accrual of any causes of action which the City might have against another party or entity. No contract provision shall waive any warranties, express or implied, nor shall any contract limit the standard of care for any particular service or undertaking to that of the locality where those services or undertakings are performed.
15. Any interest to be paid by the City of Johnson City for late payments shall be at the rate of interest at which the City pays on its most recently issued bonds.
16. The City reserves to itself the right to approve the use of any tests, including but not limited to any borings, test pits, geotechnical work, environmental tests, and the like in its own sole discretion. All design professionals, consultants, subcontractors, or the like shall be duly licensed in the State of Tennessee, if licensure in the State of Tennessee is required for the work to be performed by such design professional, consultants, or subcontractors.
17. Notwithstanding any applicable choice of law or conflict of law provisions or decisions, the law of the State of Tennessee shall govern all contracts to which this document is attached.
18. The City of Johnson City shall not provide any legal advice, legal services, surveys, or procure the same for any other party.
19. Upon payment for services as rendered, all design documents and all instruments of service created by design professionals, including but not limited to architects, landscape architects, engineers, etc., shall become the property of the City of Johnson City, Tennessee. The City of Johnson City shall be allowed to use all design documents and instruments of service, **including** but not limited to bid drawings, shop drawings, reports, specifications, cost estimates, schematic designs, construction designs, and the like for future additions or alterations to the current project or for use in other projects. Any use of the aforementioned designs and construction documents shall be at the City's sole risk and without liability to the design professional. The design professional's name and seal will be removed from all such design documents prior to the City's use thereof.
20. No person or entity shall respond to a request for bid or request for proposal with any terms or conditions that might change, alter, amend, or differ with the specifications, terms, or conditions originally provided by the City in its initial request for bids or proposals.

October 5, 2009



STATEMENT OF BID/RFP DECLINE City of Johnson City, Tennessee

NOTE: If you do not intend to respond to this solicitation, complete and return this form on or before the stated deadline to Purchasing Department, P. O. Box 2150, Johnson City, TN 37605 or via facsimile 423/975-2712.

We value your feedback and ask that you complete the following:

Bid/RFP No. # _____
Bid/RFP Name _____

We, the undersigned, decline to submit on the above bid/proposal for the following reason(s):

- _____ Insufficient time to adequately prepare a response
- _____ Our company does not offer this product or service. Remove us from the vendor list
- _____ Our schedule will not permit us to perform in a timely manner
- _____ We are unable to meet bond requirements
- _____ We are unable to meet insurance requirements
- _____ We are unable to offer comparable product or service
- _____ We are unable to meet specifications (explain below)

We understand that if this statement is not completed and returned, our company may be deleted from the City's solicitation list for this commodity or service.

Company Name: _____
Address: _____
Signature: _____
Telephone: _____
E-mail: _____
Date: _____