

**CITY OF KENOSHA
PUBLIC WORKS DEPARTMENT – STORM WATER UTILITY
NOTICE TO VENDORS
ONE (1) – 2020 ARTICULATED, WHEEL LOADER WITH PLOW AND WING
PROPOSAL NOTICE #05-20**

Issued: March 2, 2020

Sealed proposals will be accepted by the City of Kenosha, in the Department of Finance, Municipal Office Building, 625 52nd Street, Room 208, Kenosha, WI. 53140 until **Tuesday March 24, 2020** at 2:30 P.M. for the provision and delivery of the following equipment all in accordance with City of Kenosha standard terms and conditions, and detailed specifications:

2020 ARTICULATED WHEEL LOADER WITH PLOW AND WING

Proposals must be sealed and submitted on the attached proposal form and returned clearly marked with the scheduled date and time of opening. Proposals received after the date and time of opening will not be considered. All proposals shall be submitted in a sealed envelope carrying the following information: proposing firm's name, firm address, proposal description, proposal notice number and date and time of proposal opening. Proposals submitted via facsimile or through other electronic means will not be accepted.

Vendors shall furnish complete manufacturer descriptive literature describing in detail the equipment being proposed. Vendors must complete in entirety all questions and clarifications in the specifications. Any questions pertaining to the specifications should be directed to Mr. Jay Getka, Fleet Superintendent at 262-653-4077. Any questions and Inquiries regarding the proposal process itself can be directed to the Finance Department at 262-653-4180.

The City of Kenosha reserves the right to award a contract to the most qualified proposer. The City reserves the right to accept or reject any or all proposals or to accept any proposal that is considered the most advantageous to the City of Kenosha.

The City of Kenosha is exempt from from Federal Excise Tax and State Sales Tax, therefore, proposals should be made exclusive of these taxes. A Tax Exemption Certificate will be furnished to the successful vendor.

State delivery date on the proposal form or the number of days from receipt of purchase order.

Delivery is F.O.B. Destination to the City of Kenosha, at the following address:
Public Works Department - Fleet Maintenance Division Garage
3725 65th Street
Kenosha, WI 53142

Unit shall be new, unused and of the current model year. Factory rebuilt equipment or demonstration units will not be considered.

Award will be made within thirty (30) days of scheduled opening to the lowest responsive and responsible vendor meeting or exceeding City of Kenosha specifications, providing proposals are received within budgetary amounts.

**CITY OF KENOSHA
PUBLIC WORKS DEPARTMENT – STORM WATER UTILITY
MINIMUM SPECIFICATIONS
ONE (1) – 2020 ARTICULATED, WHEEL LOADER
WITH PLOW AND WING
MARCH 3, 2020**

Minimum Specifications (per unit)	Proposers Specifications
<p>1. GENERAL: It is the intent of this specification to describe the minimum requirements for one, (1), articulated, wheel loader to be purchased by the City of Kenosha, for use in the Department of Public Works – Storm Water Utility. All parts, items, or features not specially mentioned, which are necessary or which are regularly furnished in order to provide a complete unit, shall be furnished and delivered by the successful Vendor at the proposed price and shall conform in strength, quality of material and workmanship to that usually provided by standard engineering practice.</p>	
<p>2. MANUFACTURER'S WARRANTY: The City of Kenosha is obligated to purchase equipment which will give service over a long life. During the warranty period, the Vendor shall replace and install, without charge, any defective parts or any parts not suitable for the service intended. All warranty work shall be picked up by the Vendor within seventy-two, (72), hours of notification by the City, and delivered within seventy-two, (72), hours after completion of repairs. The warranty period shall begin when the vehicle is placed into service by the City.</p>	
<p>2.1 The Vendor shall be responsible for all “transportation” charges during the full warranty period for any equipment that requires warranty repair and/or replacement. The term “transportation” shall mean the physical driving of the unit by the Vendor but not to include towing or “trailer” of the unit. This includes picking up the unit from a designated City facility; delivery to an authorized repair facility; and return of the unit to a designated City facility.</p>	
<p>2.2 The Vendor shall supply the City with written authorization for any warranty work, performed by City personnel, which has been verbally agreed upon. The written authorization shall include both the</p>	

<p>labor and parts reimbursement agreement which shall either be faxed, electronically mailed or sent by First Class US Mail. The City will invoice the Vendor for all warranty work performed by City personnel.</p>	
<p>2.3 The Vendor shall warrant the complete unit, excluding attachments but including the frame, cab, engine, power train, electrical and electronic components, hydraulic system, dealer installed accessories and related components from defective parts and workmanship for a minimum of three, (3), years or 1,500 engine hours, from the date the equipment is placed into service.</p>	
<p>2.4 A complete detailed copy of the basic warranty and extended warranty policy, outlining the terms and conditions, shall be included with the proposal. The warranty terms shall be clearly stated and include all inclusions and exclusions along with expiration dates.</p>	
<p>3. SERVICE FACILITIES: In order to insure that the City will be able to maintain and repair the equipment purchased, the Vendor shall operate a service facility capable of performing most repairs associated with the proposed equipment. This City approved facility shall be located within fifty, (50), miles of the City of Kenosha Fleet maintenance Division and be stocked with common replacement and high wear parts. The Vendor shall provide the name, address and telephone number of the service facility, and the person to contact for service, with their warranty statement.</p>	
<p>4. AWARD AUTHORITY: The City shall be the sole judge of the quality, construction and suitability of the equipment offered in its determination of the successful Vendor.</p>	
<p>5. DESCRIPTION OF EQUIPMENT: A proposal shall be considered only if the Vendor clearly shows, without a doubt, that they are proposing regularly manufactured equipment, tried, proven, and in current use. A list of three, (3), or more users, with like equipment, shall be furnished upon the request of the City, after the proposal opening. PRINTED LITERATURE DESCRIBING THE PARTICULAR EQUIPMENT INCLUDING ACCESSORIES (make, model and manufacturer's rating) SHALL BE INCLUDED WITH THE PROPOSAL.</p>	

5.1 The Vendor shall propose the latest model of equipment manufactured, by the concern which they represent. Equipment shall be new and unused. Factory rebuilt equipment or demo units will not be considered.	
6. <u>SAFETY EQUIPMENT:</u> The vehicle shall comply with all applicable Federal Motor Vehicle Safety and OSHA/ANSI Standards.	
7. <u>SERVICE REQUIREMENTS:</u> The equipment will be used by the City of Kenosha Storm Water Utility, for road construction, maintenance and snow removal.	
8. <u>TECHNICAL REQUIREMENTS:</u> All specified features and accessories, listed below, shall be incorporated into the articulated wheel loader.	
8.1 <u>TYPE:</u> The unit shall be a four wheel drive, articulating wheel loader (Caterpillar model 938M, John Deere 624L or other City approved alternate) and be equipped with a 4:1 multi-purpose bucket. <u>Specify loader manufacturer, model, and year of manufacture.</u>	
8.1.1 <u>OPERATING WEIGHT:</u> For comparison purposes only, operating weight shall be based upon using an empty, 3 ½ cubic yard, SAE heaped capacity, general purpose bucket, the maximum amount of available factory counterweights, 20.5R x 25, 12 PR, (L-2) tires without ballast, and a R.O.P.S. cab. The complete unit in a full serviced condition, including fuel, oil, water, 175 pound operator, and other standard accessories, shall not be less than 33,190 pounds. <u>Specify weight.</u>	
8.2 <u>ENGINE:</u> The unit shall have a turbocharged, wet sleeved, six, (6), cylinder, diesel engine, of the same manufacturer as the machine, (Caterpillar C7.1 ACERT, John Deere Power Tech PVX 6068 or other City approved alternate). The diesel engine shall have a minimum displacement of 402 cubic inches, and a minimum of 575 lb-ft torque and 180 HP @ 1,800 RPM. <u>Specify engine make, model, displacement, torque and hp @ 1,800 RPM.</u>	

8.2.1 The engine shall be US EPA Tier 4 EU Stage IV compliant. <u>Specify Tier rating.</u>	
8.2.2 The engine shall have an installed 110 volt, 1100 watt, minimum, engine block heater, with a receptacle type plug socket and cover, mounted in a location approved, in advance, by the City. <u>Specify if different and mounting location.</u>	
8.2.3 The engine shall have an Enginaire model 550S, stainless steel pre-cleaner (or other City approved alternate) mounted on the outside of the engine compartment. The pre-cleaner shall be mounted on a reinforced, braced stand and bracket, to remove the additional weight loading of the pre-cleaner from the air cleaner housing. <u>Specify if different.</u>	
8.2.4 The engine shall have an under hood muffler, with a curved exhaust stack. <u>Specify if different.</u>	
8.3 COOLING SYSTEM: The unit shall be equipped with a specially adapted cooling system for use in the City's composting and yard waste grinding operation. The pressurized cooling system, incorporating a thermostat and coolant recovery tank, shall be easy to maintain and have up to date technology. The trash resistant radiator shall be an inline core type to allow fine debris to pass through and for easy cleaning of the radiator. The cooling system shall be protected to a minimum, -34 degrees Fahrenheit, and be filled with a long life coolant. <u>Specify if different, brand and type of coolant provided.</u>	
8.3.1 The unit shall have a heavy duty, trash resistant cooling package to reduce engine overheating. The package shall baffle and seal the engine and radiator compartments to prevent the intake of debris laden air from going around the radiator or cooler cores. Baffling shall prevent the cooling air from being directed downward toward the ground, where it would cause debris or dust to be blown into the surrounding air. <u>Specify if different.</u>	
8.3.2 The cooling system intake air shall be screened to	

<p>prevent debris from entering the engine or cooling system compartments. A perforated screen, having a maximum opening of 0.075 inches, with a 50% open area, shall be used. Adequate screen intake area shall be provided to insure adequate cooling air flow is provided to all of the machine's cooling systems. The cooling air intake shall be on the sides of the engine compartment or at the rear of the machine. <u>Specify if different.</u></p>	
<p>8.3.3 The unit shall have a reversible, hydraulically driven fan. <u>Specify if different.</u></p>	
<p>8.3.4 The unit shall have an enclosed engine fan guard. <u>Specify if different.</u></p>	
<p>8.3.5 The unit shall be equipped with environmentally friendly drains, to safely drain the engine oil and other vehicle fluids. <u>Specify if different.</u></p>	
<p>8.4 TRANSMISSION: The unit shall have an electronically controlled transmission, with a minimum of four, (4), forward speeds and three, (3), reverse speeds. <u>Specify transmission make and model.</u></p>	
<p>8.4.1 The transmission shall be able to withstand the severe service of snow plowing and low ambient temperatures. <u>Specify if different.</u></p>	
<p>8.4.2 The transmission shall have a minimum, forward speed of 24.5 MPH. <u>Specify forward speed.</u></p>	
<p>8.4.3 The transmission shall have a minimum, reverse speed of 15.5 MPH. <u>Specify reverse speed.</u></p>	
<p>8.4.4 The transmission shall be capable of changing direction while under full load, in all gears. <u>Specify if different.</u></p>	
<p>8.5 BRAKES: The unit shall have adjustment free, inboard</p>	

planetary, wet disc brakes, front and rear, to minimize the maintenance and increase safety. The system shall be dual or split type. Air actuated or outboard planetary, wet disc brakes are not acceptable. <u>Specify brake type.</u>	
8.5.1 The unit shall have two, (2), brake pedals. The right side pedal shall engage the brakes only and the left side pedal shall engage the brakes and neutralize the transmission. <u>Specify if different.</u>	
8.5.2 The unit shall have a parking brake capable of holding the machine, on a minimum grade of 15%. The parking brake shall be capable of manual disengagement, for towing purposes. <u>Specify if different.</u>	
8.6 DIFFERENTIAL: The unit shall be capable of engaging and disengaging a front and rear differential lock, automatically, while under full load. <u>Specify type of differential engagement used.</u>	
8.6.1 Torque proportioning differentials are not acceptable. <u>Specify type of differential.</u>	
8.7 AXLES: The axles shall have inboard planetary, gear reduction. <u>Specify axle manufacturer, make and model.</u>	
8.7.1 The rear axle shall have a minimum oscillation of 18 degrees total. <u>Specify rear axle oscillation in degrees.</u>	
8.8 TORQUE CONVERTER: The unit shall have a single phase, single stage, torque multiplication ratio of 2.66 to 1, minimum. <u>Specify ratio of torque converter.</u>	
8.9 STEERING: The unit shall have full hydraulic power steering with a maximum steering wheel effort of eight, (8), pounds full load, at idle. <u>Specify if different.</u>	
8.10 FUEL TANK: The unit shall have a removable, diesel fuel	

<p>tank with a minimum, sixty-five, (65), U.S. gallon capacity, with ground level fuel tank fill. Integral or “built into the frame” fuel tanks are not acceptable, due to the problems associated with repairs and cleaning. <u>Specify if different.</u></p>	
<p>8.10.1 The unit shall have a DEF tank with a minimum, (5), five, U.S. Gallon capacity. The DEF tank shall be mounted to protect from damage while the machine is in operation. <u>The DEF tank shall be clearly labeled to avoid contamination of fluids. Specify if different.</u></p>	
<p>8.11 CAB: The unit shall have a R.O.P.S. approved, fully enclosed cab, mounted on the rear articulating frame, with a 360 degree visibility, provided through tinted safety glass. <u>Specify if different.</u></p>	
<p>8.11.1 The cab doors and windows when closed shall meet OSHA and MSHA requirements for operator and sound exposure limits, in effect at the time of manufacture, when tested according to ANSI/SAE J1166 MAY90. <u>Specify if different.</u></p>	
<p>8.11.2 The exhaust system and other components shall be of such design as to not interfere with operator’s visibility for safe operation of the unit. <u>Specify if different.</u></p>	
<p>8.11.3 The cab shall have factory installed air conditioning and a heater/defroster capable of defrosting all of the windows. <u>Specify if different.</u></p>	
<p>8.11.4 The unit shall have a pressurized and filtered cab environment. <u>Specify if different.</u></p>	
<p>8.11.5 The cab shall be isolation mounted and have a left side door and right side opening window. <u>Specify if different.</u></p>	
<p>8.11.6 The cab shall have a factory installed, AM/FM, Bluetooth compatible, radio with clock. <u>Specify if different.</u></p>	

8.11.7 The cab shall have front intermittent wipers with washers and rear wipers with washers. <u>Specify if different.</u>	
8.11.8 The cab shall have a heavy duty, air suspension, high back, cloth seat with lumbar supports in the back and bottom cushions. The seat shall have three inch, (3”), wide seat belt with retractor and two, (2), arm rests with adjustable height, for operator comfort. <u>Specify make and model of seat.</u>	
8.11.9 The cab shall have anti-slip steps and grab handles for safe entry and exit from the cab and all other locations on the machine, in which daily operator checks are needed. <u>Specify if different.</u>	
8.11.10 The cab shall have a minimum, one, (1), panoramic rear view mirror mounted inside the cab and two, (2), rear view, heated mirrors mounted on the outside of the cab. <u>Specify if different.</u>	
8.12 INSTRUMENTS: The unit shall have the following gauges and warning indicators in the instrument cluster. <u>Specify if analog or electronic gauge.</u>	
8.12.1 Coolant temperature gauge.	
8.12.2 High temperature warning light and alarm.	
8.12.3 Engine oil pressure gauge.	
8.12.4 Low engine oil pressure warning light and alarm.	
8.12.5 Speedometer.	
8.12.6 Electronic engine hour meter.	

8.12.7 High engine oil temperature alarm.	
8.12.8 Transmission oil temperature gauge with warning light.	
8.12.9 Fuel level gauge.	
8.12.10 Voltmeter.	
8.12.11 Tachometer.	
8.12.12 DEF gauge.	
8.12.13 Hydraulic oil temperature gauge with warning light.	
8.12.14 All gauges shall be lighted and positioned for good visibility from the driver's seat. <u>Specify if different.</u>	
8.13 LIGHTS: The unit shall have two, (2), shockproof, sealed beam headlights mounted on the front of the unit below the operator line of sight. The headlights shall be protected from damage caused by falling debris, brush, and tree limbs by heavy duty, steel guards that are wide enough to cover the entire light assemblies. <u>Specify if different.</u>	
8.13.1 The unit shall have a minimum of four, (4), roof mounted, shockproof, sealed beam, work lights, controlled by separate dash mounted, permanently labeled, switches. Two, (2), work lights shall be mounted on the front of the cab and two, (2), mounted on the rear of the cab. <u>Specify if different.</u>	
8.13.2 The unit shall have a cab dome light with a permanently labeled switch, emergency hazard flashers, and two, (2), combination brake/tail lights mounted at the rear of the unit. <u>Specify if different.</u>	

<p>8.13.3 The unit shall have an adjustable wing spot light, controlled by a separate, permanently labeled switch, mounted in a City approved location, on the right side of the loader. The wing light shall be a SoundOff Signal, Gen 3 LED work light, Model EWLA1000DBDF0W (or other City approved alternate). <u>Specify if different.</u></p>	
<p>8.13.4 The unit shall have a Federal Signal, part #212650-02 LED Pulsator (or City approved alternate) strobe light, protected with a limb guard, mounted in a City approved location. <u>Specify if different.</u></p>	
<p>8.14 HYDRAULIC SYSTEM: The unit shall have an automatic return to dig control. <u>Specify if different.</u></p>	
<p>8.14.1 The unit shall have an automatic boom height kick out control. <u>Specify if different.</u></p>	
<p>8.14.2 The hydraulic system shall be set up for a hydraulically actuated, from the cab, quick coupler mounted, 4 in 1 multipurpose bucket, power reverse snowplow and wing plow. <u>Specify if different.</u></p>	
<p>8.14.3 The hydraulic reservoir shall include an integral sight level gauge. <u>Specify if different.</u></p>	
<p>8.14.4 The hydraulic system shall have twin, single pilot controlled, 4-way, hydraulic joysticks, with individual control for each loader, wing and plow function. The loader boom and bucket shall be controlled by a single, pilot operated joystick. The wing heel and toe shall be controlled by another single joystick control lever or electronic switches in the main control joystick. The snow plow left and right control shall be operated by an auxiliary hydraulic, fifth valve. All controls shall be conveniently located, by the operator's right hand. All controls and control locations shall be approved, by the City, prior to installation. <u>Specify if different.</u></p>	
<p>8.14.5 All hydraulic hoses shall be double wired braided, high pressure, jacket type with permanent fittings. The hoses for all plow and wing functions shall be connected to the control valve through</p>	

<p>individual quick disconnects. All quick disconnects shall have male and female dust caps, and be 3/4" Stucchi, non-drip, screw type, quick couplers compatible with current City equipment. Dust caps shall have City approved, sturdy chains and "dummy" plugs on both the loader and all attachments for securing the caps when not in use. All dummy plugs on the loader shall be secured in such a manner that the dummy plugs will not rotate when attempting to attach a dust cap or mating hydraulic coupling. Welding, brazing or installing two or more off center fasteners to secure the dummy plugs are acceptable methods for preventing the rotation of plugs. <u>Specify if different.</u></p>	
<p>8.15 RIDE CONTROL: The unit shall have a three, (3), position ride control feature (off, on, or automatic). <u>Specify if different.</u></p>	
<p>8.16 TIRES: The unit shall be supplied with Goodyear (or other City approved alternate), 20.5R-25(L-2), radial tires without hydro-inflation. <u>Specify make and tire size.</u></p>	
<p>8.16.1 The unit shall be supplied with one, (1), heavy duty, 3 piece design, spare wheel without tire. <u>Specify if different.</u></p>	
<p>8.17 LOADER LINKAGE: The unit shall have a Z-bar linkage to maximize breakout force. <u>Specify if different.</u></p>	
<p>8.18 ELECTRICAL SYSTEM: The unit shall have a twenty-four, (24), volt electrical system which complies with SAE standards. <u>Specify if different</u></p>	
<p>8.18.1 The unit shall have a charging system with a transistorized regulator. <u>Specify if different</u></p>	
<p>8.18.2 The unit shall have two, (2), batteries with approved hold downs, for a combined total of 1,800 CCA (minimum) @ 0 degrees Fahrenheit. <u>Specify number of batteries and CCA @ 0 degrees Fahrenheit.</u></p>	
<p>8.18.3 The unit shall have auto reset circuit breakers, where</p>	

applicable, located in one main panel. <u>Specify all electrical items protected by fuses.</u>	
8.18.4 All vehicle lighting shall comply with Federal Motor Vehicle Safety Standard (FMVSS) 108. <u>Specify if different.</u>	
8.18.5 All wiring harnesses shall be color coded and numbered with quick disconnect connectors, and shall be accessible for maintenance. <u>Specify if different.</u>	
8.18.6 The unit shall have a factory installed, electronic type, back-up alarm, 100 dba minimum. <u>Specify if different.</u>	
8.18.7 The unit shall have a manually operated battery disconnect installed, per manufacturer's instructions. <u>Specify make, model and location of battery disconnect.</u>	
8.18.8 The unit shall have emergency jump start terminals, mounted inside a lockable access cover. <u>Specify if different.</u>	
8.18.9 All electrical system items shall be properly protected and all add-on accessories shall comply with the City's "ACCESSORY WIRING SPECIFICATIONS", copy attached. <u>Specify if different.</u>	
8.18.10 All chassis lighting shall be manufacturer installed, LED lighting, with the exception of the headlights. <u>Specify if different.</u>	
8.18.11 The unit shall have a factory installed, thirty-four, (34), amp, minimum, voltage converter to adequately power City of Kenosha communication equipment. <u>Specify if different.</u>	
8.19 SAE SPECS: SAE specifications are for comparison purposes only and shall be based upon using an empty, 3 ½ cubic yard, SAE heaped capacity, general purpose bucket, the maximum amount of factory installed, removable counterweights, 20.5 X 25 PR, (L-2) tires without ballast, and a R.O.P.S. cab.	

8.19.1 Tipping load straight – 25,126 pounds minimum. <u>Specify tipping load straight.</u>	
8.19.2 Hinge pin height – 12' 7" minimum; 13' 0" maximum. <u>Specify hinge pin height.</u>	
8.19.3 Wheelbase – 9' 10" minimum; 10' 1" maximum. <u>Specify wheelbase.</u>	
8.19.4 SAE tipping load at 40 degree turn – 21,773 pounds minimum. <u>Specify SAE tipping load at 40 degree turn.</u>	
8.19.5 The ground clearance shall be between 15" and 15.1" for the optimal center of gravity. <u>Specify ground clearance.</u>	
8.19.6 The height to the top of the cab and canopy shall be between 10' 11" and 11' 0". <u>Specify height.</u>	
8.20 BUCKET: The unit shall have a 3 ¼ cubic yard, heaped capacity, 4 in 1 multipurpose bucket, JRB model 300-MP, with bolt-on cutting edges on the front bucket edge and both clam edges, for the purpose of standardization. NO EXCEPTIONS. The 4 in 1 bucket shall have two, (2), grab hooks for 3/8" diameter chain and one, (1), grab hook for 1/2" diameter chain welded and mounted in a City approved manner, on the bucket. The 3/8" grab hooks shall have a work load limit of 7,000 pounds, minimum. The 1/2" grab hook shall have a work load limit of 11,000 pounds, minimum. All grab hooks shall be constructed of heat treated, alloy steel and be securely welded for maximum hook surface contact to the bucket. <u>Specify bucket make and model.</u>	
8.20.1 Specify heaped bucket capacity, SAE.	
8.21 OPTION #1: The unit shall be supplied with a complete spare set (front of bucket, dozer edge and clam edge) of bolt-on cutting edges and mounting hardware (nuts, bolts and washers) for	

the multipurpose bucket. <u>Specify if different.</u>	
8.22 COUPLER: The unit and all attachments shall have hydraulic actuated, 4 point JRB quick couplers, model #624HHV, for the purpose of interchangeability and standardization. NO EXCEPTIONS. <u>Specify coupler model.</u>	
8.22.1 The unit shall have a male master coupler installed on the loader. <u>Specify if different.</u>	
8.22.2 The unit shall have a female coupler installed on the 4 in 1 multipurpose bucket. <u>Specify if different.</u>	
8.22.3 If Option #2 is selected, the unit shall have a female coupler installed on the power reverse snowplow and wing assembly. <u>Specify if different.</u>	
8.23 OPTION #2, SNOWPLOW AND WING ASSEMBLY: If Option #2 is selected, the unit shall have a twelve foot, (12'), long, reversible, Gledhill model, RTB-1248-TE plow with trip edge (or other City approved alternate), with 7/8" X 5" carbides, bolt-on cutting edges with 1/2" X 6" cover blades and dual, 3/4" thick, curb guards, for the purpose of standardization. <u>Specify make and model of snowplow.</u>	
8.23.1 The mounting shall not restrict full snow plow angling. <u>Specify if different.</u>	
8.23.2 The plow shall be mounted to the unit to allow for a level turntable, when the wing is in the proper plowing position. <u>Specify if different.</u>	
8.23.3 The Gledhill (or other City approved alternate) plow shall have a pulley swivel, as recommended by the plow manufacturer, for the purpose of eliminating side wear in the pulley sheave caused by cable tension. The plow assembly shall be fabricated and installed per Gledhill (or Other City approved alternate) recommendations and standards. If the plow and coupler	

are installed by anyone other than a Gledhill Plow Distributor, the installer shall contact the Gledhill Distributor for detailed instructions and utilize proper methods for installing the plow assembly. <u>Specify if different.</u>	
8.23.4 The plow attachment shall have carbide shoes welded to the bottom of the JRB coupler, approved by the City, prior to installation. <u>Specify if different.</u>	
8.24 WING PLOW: The unit shall be supplied with the “Kenosha Standard”, ten, (10), foot long, Schmidt Wausau, model PW-10 patrol wing (or other City approved alternate), with the top edge of the discharge end not to extend past the right cutting edge, for the purpose of standardization. <u>Specify wing make and model.</u>	
8.24.1 The wing shall have a split trip edge, with one, (1), inch thick, bolt-on cutting edges and dual curb guards. <u>Specify if different.</u>	
8.24.2 The wing shall be mounted to the front of the plow’s quick coupler, to allow for full vertical travel, proper wing positioning and full wear of the cutting edges. <u>Specify if different.</u>	
8.24.3 The wing shall be mounted on the right side, so that it stores up tight to the unit, for safety while in transit. <u>Specify if different.</u>	
8.24.4 The wing heel lift cylinder shall have a hydraulic relief valve installed and adjusted to allow the cylinder rod to extend when the loader boom or linkage is raised. The relief valve shall be designed to prevent damage to the cylinder, pin linkage, swivels and potential injury to bystanders, due to the sudden drop of the wing. <u>Specify if different.</u>	
8.24.5 The wing heel lift cylinder shall also have a hydraulic wing lock installed and adjusted to work in conjunction with the wing cylinder relief valve, to prevent the drifting down of the wing when in the upright, stowed position. <u>Specify if different.</u>	

<p>8.24.6 The wing plow shall have a mechanical means to secure the wing moldboard to the wing mast in the upright position, and shall be fabricated and installed on the unit. The installation to mechanically secure the wing shall be approved prior to installation, by the City. <u>Specify if different.</u></p>	
<p>8.24.7 The wing hydraulic circuit shall have a sequencing valve for heel / toe operation installed and properly adjusted. <u>Specify if different.</u></p>	
<p>8.24.8 If the wing assembly is installed by anyone other than a Wausau Distributor (or City approved alternate), the installer shall contact the Wausau Distributor (or City approved alternate) for detailed instructions and utilize proper methods for installing the wing assembly. <u>Specify if different.</u></p>	
<p>8.24.9 The wing shall be mounted to permit the use of the wing, in the proper plowing position, while the front plow is raised a minimum of eight inches, (8”), off the ground. <u>Specify if different.</u></p>	
<p>8.25 OPTION #3, LOADER SCALE: If Option #3 is selected, the unit shall have a built in loader scale system, installed, by the manufacturer. The scale system shall be capable of load, weight and material counting. <u>Specify make, model and cost of built in loader scale system.</u></p>	
<p>8.26 COUNTERWEIGHTS: The unit shall be sufficiently counter-weighted to handle auxiliary attachments. <u>Specify number and location(s) of all counterweights.</u></p>	
<p>8.26.1 <u>Specify total weight in pounds of all counterweights.</u></p>	
<p>8.27 PAINT: The unit including snow plow, wing and mounting assembly shall be painted with acrylic enamel, Wheatland Yellow in color. <u>Specify paint manufacturer and color code.</u> FOR VERIFICATION, ALL NON-FACTORY EMPTY PAINT CANS SHALL BE SAVED AND PROVIDED TO THE CITY PRIOR TO THE DATE OF DELIVERY. <u>Specify if different.</u></p>	

<p>8.28 MANUALS/LITERATURE: One, (1), Parts, Service/Technical, and Electrical Diagram Manual and three, (3), Operator Manuals for the unit shall be provided, at the time of delivery. A CD-ROM may be substituted for the Service/Technical Manual. A complete set, as stated above, shall be delivered with the unit. <u>Specify if different.</u></p>	
<p>8.28.1 Two, (2), Parts/Service/Operator Manuals for each component or selected Option installed and/or delivered with the unit, that is not supplied by the chassis manufacturer, shall be provided with the vehicle, at the time of delivery. <u>Specify if different.</u></p>	
<p>8.29 MISCELLANEOUS:</p>	
<p>8.29.1 KEYS: The unit shall be supplies with four, (4), complete sets of keys for all locks, including storage compartment locks. <u>Specify if different.</u></p>	
<p>8.29.2 FIRE EXTINGUISHER: One, (1), 5 pound, Type ABC, rechargeable, fire extinguisher with a one piece, friction fit, City approved bracket/holder shall be installed, at a location selected by the City. <u>Specify if different.</u></p>	
<p>8.29.3 VANDAL PROTECTION PACKAGE: The unit shall be equipped with a vandal protection package. <u>Specify if different.</u></p>	
<p>8.29.4 SLOW MOVING VEHICLE SIGN: The unit shall have a slow moving vehicle sign, mounted on the rear of the unit. <u>Specify if different.</u></p>	
<p>8.29.5 STANDARDIZATION: It is the intent of the City to standardize all attachments, controls and fittings for the purpose of interchangeability. The Vendor shall be responsible for inspecting City equipment (Fleet #'s 2216, 2300, 2344, 2448, 2592, 2593, 3022, 3023, 3396 and 3427) and guaranteeing interchangeability. The equipment and attachments will be checked for interchangeability prior to final acceptance. <u>Specify if different.</u></p>	

<p>8.29.5 FILTERS: One, (1), complete set of all: engine oil, fuel (primary, secondary, and water separator), coolant, air (primary and secondary), transmission, differential, hydraulic (pressure, return, suction and breather) and cabin filters shall be provided with the unit. <u>Specify if different.</u></p>	
<p>9. DELIVERY: Delivery shall be made to Kenosha Fleet Maintenance Division, 3725 65th St., Kenosha, Wisconsin, 53142, after all “pre-delivery” services have been performed.</p>	
<p>10. TRAINING INSTRUCTION: Training shall be provided by factory trained personnel with regard to basic operation, maintenance, trouble shooting and tune-up procedures for the entire unit. This training shall be a minimum of two, (2), hours in duration, be conducted at a location of the City's choosing, and include up to twenty, (20), City personnel. All such training and instruction shall be included in the proposal price. <u>Specify if different.</u></p>	
<p>11. BRAND NAMES: For the purpose of this clause, references to brand names shall mean brand name and/or make or model number.</p>	
<p>11.1 REFERENCE: If articles other than those specified, for “the purpose of standardization”, have been identified in the proposal by a “brand name” and model number, such reference is intended to be descriptive, and not restrictive. It is for the sole purpose of indicating, to the prospective Vendors, a description of articles that will be satisfactory. Other items of equal quality may be considered. Samples and/or demonstrations may be required.</p>	
<p>12. SUBSTITUTION: Unless the Vendor clearly indicates in the proposal that the offering is a different article, the proposal shall be considered as an offering of the “brand name” article.</p>	
<p>13. DEMONSTRATION: Attendance at a pre-award conference may be necessary to verify compliance with this specification. Upon request, Vendors shall submit proposed equipment for demonstration before this contract is awarded.</p>	

<p>14. SUBCONTRACTING: The Vendor shall be responsible for the workmanship of all of their subcontractors. All subcontracted work shall conform with this specification and be in compliance with the manufacturer's recommendations and procedures.</p>	
<p>14.1 The Vendor shall also assume full warranty responsibility which shall include all work performed or parts furnished by their subcontractors.</p>	
<p>15. TRADE IN OPTION #4: If Option #4 is selected, the equipment being traded in is one, (1), 1995, Cat model 938F, articulated wheel loader, unit #2282. The trade in vehicle is located at the City of Kenosha, Street Division, 6415 35th Avenue and are available for inspection, by appointment only, weekdays between 7am and 3pm. Requests for inspection of the trade equipment may be directed to Jay Getka, Fleet Superintendent, (262) 653-4079. The Vendor understands and accepts that the trade in equipment will continue to obtain “wear and tear” up until the time it is released. The trade in equipment shall be picked up, by the successful Vendor, at the City of Kenosha, Fleet Maintenance Division, 3725 65th St. The trade in equipment shall be accepted “AS IS” at that time. <u>Specify trade in value.</u></p>	
<p>15.1 The City also reserves the right to change batteries, tires and remove any City equipment such as: lights, radios, plow, wing, etc., before releasing the trade in equipment. The City also reserves the right to award the new equipment with or without the trade in equipment.</p>	

<u>ACCESSORY WIRE SPECIFICATIONS</u>	Proposers Specifications
1 <u>GENERAL</u> : It is the intent of this specification to describe the minimum requirements for wiring any accessories that are installed in or on the equipment being purchased by the City of Kenosha.	
2 <u>SAFETY/HEALTH</u> : All wiring shall comply with all applicable Federal Motor Vehicle Safety Standards, S.A.E. Codes, the Federal Occupational Safety and Health Act and be in accordance with the Wisconsin Administrative Code.	
3 <u>TECHNICAL REQUIREMENTS</u> :	
3.1 <u>TYPE</u> : Wiring for all add-on electrical accessories.	
3.2 <u>COMPONENTS</u> :	
3.2.1 <u>Wire</u> : The wire shall be of adequate gauge to carry the anticipated current loads.	
3.2.2 <u>Circuit Breakers</u> : All add-on accessories shall be tapped into the equipment's main circuit breaker panel.	
3.2.3 <u>Terminals</u> : Screw type.	
3.2.4 <u>Connections-Splices</u> : All connections and splices shall be made using the correct size nylon or PVC insulated butt connector, properly assembled and crimped. Scotchlock, or similar self stripping quick splice type connectors are not acceptable.	
3.2.5 <u>Insulation</u> : All connections and splices shall be protected with heat shrinkable tubing, such as irradiated polyolefin, or adhesive sealant lined tubing. The tubing shall be properly installed, using the correct tooling; i.e. - a heat gun. The use of open flame type heat is not acceptable.	

<p>3.2.5.1 Note: The use of heat seal type butt connectors such as Velvac Splice 'N Seal, (or city approved alternate), can be used to satisfy requirements 4 and 5 above. In addition, all exterior connections shall be protected with 3M Scotchkote Electrical Coating, (or city approved alternate).</p>	
<p>3.2.6 Exposed Wiring: All exposed wiring shall be installed into the correct size wiring loom, which shall extend the full length of the wiring to within (6") six inches of its destination. The loom shall be of the type that will fully enclose the wiring. Spiral wrap-around and full length slit convoluted type looms are not acceptable. In addition, the loom shall be sealed at each end and be anchored firmly at least every (24") twenty-four inches using nylon cable ties or cable clamps.</p>	
<p>3.2.7 Grommets: All holes drilled or cut for wiring, cables, looms, controls, etc., shall be fitted with the correct size grommet, or type of boot to fully protect the accessory wiring. All unused holes or openings shall be sealed in an approved manner.</p>	
<p>3.2.8 Circuit Identification: All add-on circuits shall be labeled, and a simple wiring diagram provided.</p>	
<p>4 BRAND NAMES: For the purpose of this clause, references to brand names shall mean brand name and/or make or model number.</p>	
<p>5 REFERENCES: If articles have been identified in the specification by a brand name (or City approved alternate) description, such reference is intended to be descriptive, but not restrictive and is for the sole purpose of indicating to prospective vendors a description of articles that will be satisfactory.</p>	
<p>6 DESCRIPTIVE LITERATURE: Vendors offering a different article shall submit descriptive literature to enable a determination as to the quality and characteristics of the item being offered.</p>	

OPTION NUMBER	OPTION
Option #1	Complete Set of Bucket Edges and Hardware
Option #2	Snow Plow and Wing Assembly
Option #3	Built in Loader Scale System
Option #4	Fleet #2282 Trade In

**CITY OF KENOSHA
PUBLIC WORKS DEPARTMENT – STORM WATER UTILITY
ONE (1) NEW 2020 ARTICULATED, WHEEL LOADER
WITH PLOW AND WING
PROPOSAL NOTICE # 05-20
PROPOSAL**

City of Kenosha
Municipal Office Building
625 52nd Street, Room 208
Kenosha, WI. 53140

Purchasing,

We hereby propose to provide and deliver F.O.B. Destination, to City of Kenosha, Fleet Maintenance Division Garage, 3725 65th Street, Kenosha, WI. 53142, the equipment specified in accordance with the City of Kenosha specifications at the following firm prices:

Make/Model/Year: _____

Base Price: \$ _____

Option 1: Complete Set of Bucket Edges & Hardware
(8.21 of specifications) \$ _____

Option 2: Snow Plow and Wing Assembly
(8.23 of specifications) \$ _____

Option 3: Built in Loader Scale System
(8.25 of specifications) \$ _____

Option 4: Fleet 2282 Trade-In
(15 of specifications - 1995 Cat Wheel Loader) \$ _____

Total Price \$ _____

Estimated Delivery time: _____ days or _____ days after receipt of purchase order.

Manufacturers Literature Included Yes _____ No _____

Specifications Sheets Completed and Submitted Yes _____ No _____

Warranty: (Please be Specific) _____

Service Facility:

Company Name: _____

Address: _____

Contact Name: _____

Telephone: _____ FAX: _____

E-mail: _____

Payment terms _____%, _____ days, Net _____ days

Are you a minority owned business? Yes _____ No _____

Respectfully submitted,

Firm: _____

Signature: _____

Print Name: _____

Address: _____

Telephone: _____ FAX: _____

E-mail: _____

Date: _____