FORM A: BID (See B8)

		,		
1.	Contract Title	SUPPLY AND DELIVERY	OF A USED 4WD LOADER B	ACKHOE
2.	Bidder			
		Name of Bidder		
		Usual Business Name of Bidder	as it appears on Invoice (if different fro	m above)
		Street		
		City	Province	Postal Code
		Email Address of Bidder		
		Facsimile Number		
	(Mailing address if different)	Street or P.O. Box		
		City	Province	Postal Code
		GST Registration Number (if app	licable)	
		The Bidder is:		
	(Choose one)	a sole proprietor		
		a partnership		
		a corporation		
		carrying on business unde	r the above name.	
3.	Contact Person	The Bidder hereby author the Bidder for purposes of	izes the following contact persthe Bid.	son to represent
		Contact Person	Title	
		Telephone Number	Facsimile Number	
		Email Address		
1	Definitions	All capitalized terms use	ed in the Contract shall have	the meanings

ascribed to them in the General Conditions and D3.

5.	Offer	The Bidder hereby offers to perform the Work in Contract for the price(s), in Canadian funds, set o appended hereto.	
6.	Commencement of the Work	The Bidder agrees that no Work shall commen receipt of a notice of award from the Award Aut commencement of the Work.	
7.	Contract	The Bidder agrees that the Bid Opportunity in deemed to be incorporated in and to form notwithstanding that not all parts thereof are nece accompany this Bid.	a part of this offer
8.	Addenda	The Bidder certifies that the following addenda har agrees that they shall be deemed to form a part of the s	
		No Dated	
9.	Time	This offer shall be open for acceptance, binding and period of sixty (60) Calendar Days following the Sul	
10.	Signatures	The Bidder or the Bidder's authorized official or official	cials have signed this
		Day of	, 20
		Signature of Bidder or Bidder's Authorized Official or Officials	
		(Print here name and official capacity of individual whose signate	ure appears above)
		(Print here name and official capacity of individual whose signation	ure appears above)

FORM B: PRICES

(See B9)

SUPPLY AND DELIVERY OF A USED 4WD LOADER BACKHOE

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Used 4WD Loader Backhoe	17062	Each	1	

Name of Bidder	

FORM N: DETAILED SPECIFICATIONS 17062 USED 4WD LOADER BACKHOE

1.0 <u>DESCRIPTION OF EQUIPMENT</u>

- 1.1 These specifications describe a <u>Used 4WD Loader Backhoe</u> and other equipment and features as specified herein.
- 1.2 The <u>Used 4WD Loader Backhoe</u> shall be a used Loader Backhoe model year 2011 or newer with approximately no more than 4000 hours on the machine.
- 1.3 The <u>Used 4WD Loader Backhoe</u> and all other items/components shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The equipment and associated attachments, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.
- 1.4 It will be the responsibility of the Bidder to inform the City of any errors or omissions in these specifications, for under this Contract the Contractor shall be held responsible for the satisfactory operational function of the equipment.

2.0 OTHER SPECIFICATIONS AND STANDARDS

- 2.1 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 2.2 The <u>Used 4WD Loader Backhoe</u> shall comply with the applicable regulations:

National Safety Mark, NSM: http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm

Manitoba Safety and Health Act, Parts 12, 22:

http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php and http://www.gov.mb.ca/labour/safety/

Canadian Standards Association, CSA; http://www.csa.ca/about/Default.asp?language=english

Under Writers of Canada, U/L: http://www.ulc.ca/

Society of Automotive Engineers, SAE: http://www.sae.org/

City of Winnipeg Lighting Visibility

Standard=http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf.

2.3 It will be the responsibility of the Bidder to inform the City of any deficiencies in these specifications, for under this Contract the Contractor shall be held responsible for the design, performance, reliability and satisfactory operational function of the units.

3.0 SERVICE FACILITY

3.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. Further to B9.1, Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities within three (3) Business Days upon request of the Contract Administrator.

4.0 REFERENCES

4.1	Provide five (5) references where this equipment is used in a working environment where climati conditions are similar to the City of Winnipeg.	
5.0	MAKE & MODEL	
5.1	State make, year and model of the equipment bid	

6.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 6.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.
- All items in these specifications must be answered indicating compliance or non-compliance.

 BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.
- 6.3 EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID

7.0 PERFORMANCE RELIABILITY

- 7.1 The responsibility for the design of the **Used 4WD Loader Backhoe**, its performance and reliability shall rest upon the Contractor.
- 7.2 The term "repeated failures" as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the vehicle inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, of assembly. Minor items or ordinary service adjustments are not included, or considered under the scope of "repeated failures", as well as other factors, such as operational damage due to accidents, misuse or lack of proper maintenance, service and lubrication attention by not following the manufacturer's preventative maintenance schedule.
- 7.3 Where the <u>Used 4WD Loader Backhoe</u> develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.
- 7.4 The equipment shall be capable of consistent top performance in City of Winnipeg Environment. Note: The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 90°F (32°C) to -40°F (-40°C)

8.0 FUEL

8.1 Where applicable, all equipment must be fully fuelled upon delivery (no exceptions).

9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

9.1 The manufacturer of the <u>Used 4WD Loader Backhoe</u> shall have five (5) years continuous experience manufacturing the equipment.

- 9.2 The manufacturer shall have in effect a documented quality control program ensuring that the quality of materials and workmanship, including welding, conforms to the best standards and engineering practice of the industry.
- 9.3 The Contractor shall have five (5) years continuous experience servicing, repairing and maintaining <u>Used 4WD Loader Backhoe</u> of the type being offered.

10.0	SPECIFICATIONS:		
	State:		
	Make: Model: Year: Hours:		
	ENGINE		
10.1	Engine Make & Model	State:	
10.2	Engine Specification	Diesel Tier 3, Tier 4 (Interim) or Tier 4 (Final) State:	
10.3	Horse Power	Approximately Net 95 HP	
10.4	Torque	Net torque	
10.5	Engine Aspiration	State	
10.6	Fuel Shut Off	Electric solenoid type.	
10.7	Fuel Filter	With water separator.	
10.8	Oil Filter	Full flow, spin-on type.	
10.9	Air Cleaner	Dry cartridge type with dash mounted restriction indicator.	
10.10	Throttle	Hand operated with foot override.	
10.11	Exhaust	Mufflered, vertical discharge with bend and 40° cut-off (rain cap unacceptable).	
10.12	Coolant	Extended life, protected to -40 ⁰ C.	
10.13	Engine Block Heater	Approximately750 Watts.	
10.14	Cold Weather Starting Aid	Glow plugs or air intake warmer	
10.15	Engine Protection Shutdown System	Visual and audible warning of principle machine systems including engine oil pressure and coolant temperature c/w engine shutdown.	
10.16	Fuel Tank	State: capacity.	

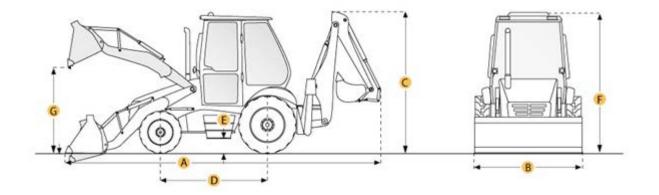
ELECTRICAL/ LIGHTING/ SAFETY

10.17	Туре	12-Volt, negative ground electrical system.	
10.18	Electric Starter	With key starter switch.	
10.19	Batteries	Dual batteries, Approximately 1600 CCA combined capacity. State:	
10.20	Alternator	Approximately 100 Amp State: capacity	
10.21	Combined Stop and Tail Lights	Two (2)	·
10.22	Signal Lights with Warning Flashers	Two (2) front and two (2) rear	
10.23	Warning Flashers	Operable with key removed	
10.24	Headlights	Two (2)	
10.25	Working Lights	Front: Four (4) front-mounted, adjustable, located immediately below cab roof line.	
		Rear: Four (4) rear-mounted, adjustable, located immediately below the cab roof line.	
		Side: Two (2) side-mounted, located immediately below cab roof line.	
10.26	Light Switches	Independent on/off switch for each pair of work lights, dash mounted wired through ignition, labeled with permanent type, engraved style labels.	
10.27	Cab Interior Light	Interior light.	
10.28	Radio	AM/FM/CD or MP3.	
10.29	Radio Installation Provision	12 volt, 20Amp spate/independent circuit available at a spare circuit breaker, suitable for installation of a 2-way mobile radio.	
10.30	Horn	Operable from driving position and from backhoe position.	

10.31	Safety Lighting (Beacon)	 Make and Model: Whelen L31 Series Super-LED, SAE Class 1 (or equivalent) Blue/Amber (individual control) beacon 360 degree visibility. Wired through ignition, lights shall be wired for separate amber and separate blue labelled independently "winter", "off", "summer". The winter mode will turn on both blue and the summer will only turn on the amber lights. 	
10.32	Beacon Guard	Ramped, heavy duty bolt-on metal guard, designed to permit servicing of beacon without being removed.	
10.33	Back-Up Alarm	97 dB, factory installed, mounted to be protected from damage.	
10.34	Wiring	 All locally installed accessories shall be color coded, loomed and properly secured. Splicing in any factory harness is unacceptable. All electrical power for locally supplied electrical components to be supplied from an OEM power distribution box. All joining of wires and electrical connectors shall be soldered and sealed with heat shrink tubing. All wiring for work lights and warning lights shall be supplied with no exposed wiring. 	
10.35	LED Lighting	All lighting LED State:	
10.36	Slow Moving Sign	Grote 71152 or equivalent with bracket mounted to rear of backhoe	
	TIRES, RIMS, FENDERS		
10.37	Front Tires	OEM recommended for 4WD State:	
10.38	Ply Rating	OEM recommended State: ply rating	
10.39	Tread	R4, Industrial tractor	
10.40	Rear Tires	OEM recommended for 4WD State:	
10.41	Ply Rating	OEM recommended State: ply rating	

10.42	Tread	R4, Industrial tractor
10.43	Fenders (Extensions)	Front and rear, rubber or polymer,
		State: material
	AXLES & BRAKES	
10.44	Front Axle	Driven type (4WD) with guarded drive
		shaft (limited slip differential).
10.45	Rear Axle	Differential lock, push button activation.
10.46	Brakes	Wet disk type with individual pedals
		simultaneous or independent operations.
10.47	Darking Broke	·
10.47	Parking Brake	Foot or hand operated State: type.
	TRANSMISSION	
10.40		Device ohitt transposition with torsive
10.48	Туре	Power-shift transmission with torque convertor, manual shift with power
		reverser preferred State:
		Sidie.
10.49	Shifting	Fully synchronized
10.50	Speeds Forward	Four (4)
10.51	Speeds Reverse	Four (4)
10.52	Power-Shift	Direction reverser

DIMENSIONS



10.53	Overall Transport Length (A)	Approximately 24' State:	
10.54	Overall Transport Width (B)	Approximately 8' State:	

10.55 Overall Transport Height (C) Not to exceed 11' 2" (Height restrictions in place at some facilities) State: 10.56 Transport Weight Approximately 15,000 – 19,000 lbs. State: 10.57 Overall Width Stabilizer spread, outside edge of pad	
State:	
10.57 Overall Width Stabilizer spread outside edge of pad	
State:	
10.58 Wheelbase (D) Approximately 84" State:	
10.59 Ground Clearance (E) Approximately 12" State:	
10.60 Overall Height (Top of Cab) (F) Approximately 9' State:	
10.61 Operating Weight (As Bid) Approximately 16,000 lbs. (without attachments) State: weight.	
10.62 Turning Radius Curb clearance with brakes applied, State:	
LOADER BUCKET	
10.63 Lift Capacity, Full Height Approximately 7000 lbs. State:	
10.64 Heaped Capacity Approximately 1.30 cubic yards State:	
10.65 Bucket Breakout Force Approximately 11,000 lbs. State:	
10.66 Dump Clearance As Bid (G) Bucket @ 45 ^o Approximately 105 in. State:	
10.67 Controls Single lever with clutch disconnect button, return –to-dig and float.	
10.68 Self-Levelling Bucket With level indicator.	
10.69 Wear Plate (S) Required to prevent bucket heel from rubbing on ground with bolt-on cutting edge in place.	
10.70 Lashing Ring Heavy duty, steel weld-on hook with spring mounted clasp, top-center mounted at front of loader bucket.	
10.71 Loader Safety Prop Bar Preferred.	
10.72 Hydraulic Function 3 function hydraulics.	
10.73 Hydraulic Quick Attach For loader bucket.	

10.74	OEM Ride Control	State.	
	BACKHOE BUCKET		
10.75	Туре	Over Centre Design with extendable dipper-stick, approximately 3 – 5 ft. State:	
10.76	Heaped Capacity	Approximately 7.5 – 13 cubic feet State:	
10.77	Maximum Digging Depth	Approximately 19'6" State: digging depth	
10.78	Digging Force	Bucket cylinder (SAE), with 24 inch bucket Approximately 15,000 lbs. State:	
10.79	Digging Force	Crowd cylinder (SAE), with dipper-stick retracted Approximately 9,500lbs. State:	
10.80	Controls	SAE excavator style, pilot operated hydraulic joystick controls.	
10.81	Multi-Brand Quick Coupler Attachment Bracket	For quick attachment of all buckets and hydraulic breaker State: make and model being bid. Make: Model:	
10.82	Hydraulic Quick Attach	For backhoe bucket.	
10.83	Attachment Bracket	Permit use of two (2) bucket positions.	
10.84	Attachment Bracket	Permit bucket, and bucket position changes.	
10.85	Certified Lifting Hooks	All buckets to be complete with certified lifting hooks.	
10.86	Stabilizer Pads	Reversible, flip-over type pads. Cemetery/Street type State:	
10.87	Front Counterweight	Supplied as to provide proper machine balance and loading characteristics.	
10.88	Replaceable Bushings and Grease Fittings	At backhoe pivot points, cylinder rod and closed ends, and bucket links.	
10.89	Auxiliary Hydraulics	Couplers and controls shall be provided as required on all machines to accommodate hydraulic hammers.	

Hydraulic Breaker (Optional)

	Option 1: Used Hydraulic Breaker State Price:		\$
	Option 1: New Hydraulic Breaker State Price:		\$
10.90	To be compatible with the Used Loader	Backhoe quoted	
10.91	Impact Class	Approximately 1300 ftlbs.	
10.92	Striking Rate	Approximately 1450 bpm.	
10.93	Carrier Weight	5.5 - 13 US tons.	
10.94	Flow Range	18 - 32 gpm.	
10.95	Acceptable Back Pressure	Approximately 300 psi.	
10.96	Operating Weight	Approximately 950 lbs.	
10.97	Tool Diameter	Approximately 3.3 inches.	
10.98	Attachment Pins	Required.	
10.99	Quick Couplers	Required.	
10.100	Lashing Ring and Heavy Duty Chain	Suitable chain length with forged slip hooks for safe and secure transport of hydraulic breaker in loader bucket.	
10.101	Mounting Plate Compatibility	Required:	
	OPERATOR CAB		
10.102	Type-ROPS	Roll-over protective structure complete with pressurized cab, OSHA certified or equal.	
10.103	Insulation and Headliner	For sound suppression and severe weather/climate.	
10.104	Floor Covering	Rubber matting, throughout.	
10.105	Seat	Cushioned, adjustable bucket type with arm rests, cloth upholstery air suspension with retractable seat belt.	
10.106	Ride Control	Factory installed.	
10.107	All Windows	Tinted safety glass with appropriate markings for all panes and opening type where applicable.	
10.108	Ignition Keys	Three (3) sets required per machine.	
10.109	Doors	One (1) each side with spring assisted strut, lockable with common key.	
10.110	Interior Rear-View Mirror	Adjustable.	

10.111	Windshield Wipers	Intermittent preferred, requires front and rear.	
10.112	Heater/Defroster	 Heavy duty Hot water type with multi-speed fan Capable of keeping all windows clear at -40° C. 	
10.113	Window Fans	Two (2) with guards.	
10.114	Air Conditioning	Factory installed with under hood compressor. (Note: roof mounted air conditioners are not acceptable).	
10.115	Steps	Open grate style.	
10.116	Toolbox	Lockable State: location	
10.117	Instrumentation	 Coolant temperature-gauge with audible alarm. Engine oil pressure- gauge or warning light with audible alarm. Engine hour meter-non resettable type. Tachometer. Fuel gauge. 	
10.118	Noise Level, Interior	85 dB(A), measured in accordance with SAE J336, State: noise level.	
10.119	Fire Extinguisher	Five (5) lbs. High volume ABC type, State: location.	
	GREASING SYSTEM		
10.120	Greasing System	If Equipped State: make and model	
11.0	WARRANTY		
	All warranty information shall be detailed and include all exclusions. The successful bidder shall provide all published warranty information upon delivery of the equipment. Bidder shall state all warranty information.		
11.1	Standard Coverage	State: If remaining warranty is available	
11.2	Used Equipment Warranty	State: If available Provide details. Cost:	

12.0	DELIVERY		
12.1	Delivery Point: The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.I.V.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB. The successful bidder shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order.		
12.2	Delivery Time: State: Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days.		
12.3	Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment.		
12.4	P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list		
13.0	MANUALS		
13.1	Manuals supplied under this contract shall cover the complete equipment including all components thereof, CD or USB flash drive is preferred where available.		
13.2	The following manuals shall be supplied with the units when delivered:		
	a) Operator's Manual: Two (2) per unit (one operator manual shall be sent to the Equipment Operator Training Branch)		
	b) Parts and Service Manuals: one (1) complete set including preventative maintenance schedules.		
	CDs or USB flash drive are preferred.		
14.0	FIRST SERVICE PREVENTATIVE MAINTENANCE KIT		
14.1	In order to assure minimum downtime of the equipment in future service, the Contractor shall provide one (1) complete replacement set of new OEM filters for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing.		
14.2	The Contractor shall provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during preventative maintenance servicing.		

15.0	PARTS/LABOUR PRICING
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- 15.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. State percentage discount-
- 15.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. State percentage discount-

16.0 **ERGONOMIC SPECIFICATIONS**

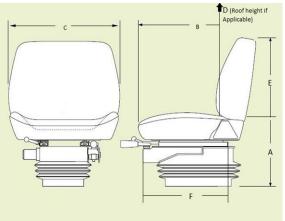
Entry/ Exit

State: height of first step in inches 16.1 First step entry height 16.2 First handhold entry State: first handhold entry height in inches height 16.3 Access to equipment State: door opening height in inches 16.4 Access to equipment State: door opening width in inches 16.5 Designed to prevent Anti-slip steps/handholds (Y or N)? slipping

Seat

16.6 Use diagram to answer questions.

(from seat to roof (if applicable) (D))



40.7	O'M's a Hallah Bassas	Otata and Labeltana and babasa	
16.7	Sitting Height Range (from floor (where feet rest) (A))	State: seat height range in inches	
16.8	Seat Length/Depth (B)	State: seat length/depth in inches	
16.9	Seat Width (C)	State: seat width in inches	
16.10	Cab Height	State: cab height range in inches	

16.11	Back Rest Height (E)	State: back rest height in inches	
16.12	Seat Travel Range (F)	State: seat travel in inches	
16.13	Lumbar Support	Is lumbar support provided (Y or N)?	
16.14	Head Rest	Is head rest provided (Y or N)?	
16.15	Seat is made of breathable material	State: type of seat material	
	Operation		
16.16	Reaching Distance (to usual work)	State: reaching distance in inches	
16.17	Maximum Reaching Distance	State: maximum reach distance in inches	
16.18	Adjustable Pedals (accelerator/brake/clutch)	Are pedals adjustable (Y or N)?	
16.19	Adjustable Steering Wheel	Is steering wheel adjustable (Y or N)?	
16.20	Adjustable Shoulder Belt	Is belt adjustable and anchored (Y or N)?	
	Cargo Area		
16.21	Lid opens to provide adequate space	Adequate space provided (Y or N)?	
16.22	Loading Height	State: trunk height in inches	
	Environment		
16.23	Operator compartment is insulated from equipment noise (while operating)	State: dB inside cab while operating	
16.24	Operator insulated from equipment vibration	Is operator insulated from vibration (Y or N)?	
16.25	Heating/Cooling Systems	State: cab temperature range	
16.26	Cab Lighting	State: lumens inside cab	
	Maintenance/ Inspection		
16.27	Lift Assistance (when necessary)	Is lift assistance provided (Y or N)?	
16.28	Easy Access (to compartment doors)	Is easy access provided (Y or N)?	
16.29	Include any other relevant ergoadjustment	onomic specifications and applicable range of	