FORM A: BID (See B8)

1.	Contract Title	SUPPLY & DELIVERY OF	COMPACT REFUSE PACKERS	
2.	Bidder			
		Name of Bidder		
		Usual Business Name of Bidder a	s it appears on Invoice (if different from above)	
		Street		
		City	Province Postal 0	Code
		Email Address of Bidder		
		Facsimile Number		
	(Mailing address if different)	Street or P.O. Box		
		City	Province Postal (Code
		GST Registration Number (if appl	cable)	
		The Bidder is:		
	(Choose one)	a sole proprietor		
		a partnership		
		a corporation		
		carrying on business under	the above name.	
3.	Contact Person	The Bidder hereby authori the Bidder for purposes of	zes the following contact person to represible Bid.	sent
		Contact Person	Title	
		Telephone Number	Facsimile Number	
		Email Address		
4.	Definitions	All capitalized terms use ascribed to them in the Ge	d in the Contractshall have the meanineral Conditions and D3.	ings

5.	Offer	The Bidder hereby offers to perform the Work Contract for the price(s), in Canadian funds, set appended hereto.	
6.	Commencement of the Work	The Bidder agrees that no Work shall comme receipt of a notice of award from the Award Accommencement of the Work.	
7.	Contract	The Bidder agrees that the Bid Opportunity i deemed to be incorporated in and to form notwithstanding that not all parts thereof are necessary accompany this Bid.	a part of this offer
8.	Addenda	The Bidder certifies that the following addenda hagrees that they shall be deemed to form a part o	
		No Dated	
9.	Time	This offer shall be open for acceptance, binding a period of sixty (60) Calendar Days following the S	
10.	Signatures	The Bidder or the Bidder's authorized official or of	fficials 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 signal	ature appears above)
		(Print here name and official capacity of individual whose signs	ature appears above)

FORM B: PRICES (See B9)

SUPPLY & DELIVERY OF COMPACT REFUSE PACKERS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Compact Refuse Packers	15057	Each	2	

	Name of Bidder	

FORM N: DETAILED SPECIFICATIONS 15057

Compact Refuse Packers

1.0 DESCRIPTION OF EQUIPMENT/APPLICATION

- 1.1 <u>Description-</u> These specifications describe <u>Compact Refuse Packers</u> and other equipment and features as specified herein. It is the responsibility of the bidder to ensure the complete chassis, cab to axle measurement, frame rail after-frame measurement length, cross-member spacing, existing frame clearance and available component space is adequate for an 18 cubic yard capacity compact refuse packer body.
- 1.2 <u>Application-</u> The intended application use is for one operator to load litter bins left and right side with a low loading height and a hopper with packing to minimize moving parts and maintenance costs. The compact refuse packer shall be a dual steering operation to allow collection within traffic flows. Should the bidder require the dimensions of the litter bins, they shall contact the Contract Administrator stated herein in D4.1
- 1.3 The **Compact Refuse Packers** shall be a new 2015 model year or newer.
- 1.4 The <u>Compact Refuse Packers</u> and all other items/components shall be the manufacturer's latest model. The vehicles shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the vehicles and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The vehicles 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.
- 1.5 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 **Compact Refuse Packers** shall comply with the applicable regulations:
 - National Safety Mark, NSM
 - Manitoba Safety and Health Act, Parts 12, 22
 - Canadian Standards Association, CSA
 - Under Writers of Canada, U/L
 - Society of Automotive Engineers, SAE
 - 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 supplier shall have an authorized service facility located within 10 kilometres 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.

- 3.2 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that the City of Winnipeg Repair Facility perform warranty work. Any Work performed by the City of Winnipeg Repair Facility shall be charged to the Contractor at the Facility's shop rate in effect at the time the work is performed (for example, shop rate for 2015: \$88.00/hour and \$ 112.00/hour for overtime and callout).
- 3.3 Location of the service facility located within 10 km of the boundaries of the City of Winnipeg.

 The Bidder shall choose and fill in one (1) of the Clauses listed below. --- 3.4) or 3.5)

Bidder's own facility location. State the location of the service facility below.

- 3.5 Bidder elects to have warranty work be performed by the City of Winnipeg Repair Facility.

4.0 REFERENCES

3.4

4.1	If available, please provide five (5) Canadian references where this equipment is used in a working environment where climatic conditions are similar to the City of Winnipeg.	
		_

5.0 MAKE & MODEL

5.1 State make and model of the chassis and compact refuse body being 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 **Compact Refuse Packers**, 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>Compact Refuse Packers</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 All vehicles must be fully fuelled upon delivery (no exceptions).

9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the <u>Compact Refuse Packers</u> shall have five (5) years continuous experience manufacturing <u>Compact Refuse Packers</u>.
- 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 **Compact Refuse Packers** of the type being offered.

10.0 SPECIFICATIONS-

GVWR-

10.1	Total	Approximately 26,500 lbs.	
10.2	Front	9,000	
10.3	Rear	17,500 lbs.	
	DIMENSIONS-		
10.4	Wheelbase	As required for an 18 cubic yard capacity compact refuse Packer	
10.5	Cab to Axle	As required for an 18 cubic yard capacity compact refuse Packer	· · · · · · · · · · · · · · · · · · ·
10.6	Turning radius	State-	
10.6	Turning radius ENGINE-	State-	
10.6	· ·	State- Tier IV Final Diesel, inline 6-cylinder. Engine must meet the most current EPA standards.	
	ENGINE-	Tier IV Final Diesel, inline 6-cylinder. Engine must meet	
10.7	ENGINE- Type	Tier IV Final Diesel, inline 6-cylinder. Engine must meet the most current EPA standards.	

10.11	Programming	Anti-idling programming to be determined upon pre-production meeting.	
10.12	Starting Aid	Cold weather starting aid required	
10.13	Fuel Shut-off	Electric solenoid type	
10.14	Air intake	Under hood air intake	
10.15	Air cleaner	Dry type, suitable for refuse truck application	
10.16	Air Indicator	Air Restriction indicator dash mounted	
10.17	Oil drain plug	Magnetic type	
10.18	Oil filter	Full flow spin-on type	
10.19	Fuel filter	Spin-on type	
10.20	Fuel line primer pump	Required	
10.21	Block heater	Immersion type, 1000 Watt with covered recessed male plug, located under driver's side door	
10.22	Coolant	Extended Life coolant, antifreeze to -40°F (-40°C)	
10.23	Coolant filter	Required	
10.24	Coolant hoses	Premium hoses	
10.25	Fan Drive	Thermostatically controlled, automatic type	
10.26	Air compressor	Water cooled, pressure lubricated, 18.7 cfm	
	ELECTRICAL SYSTEM	<u>n</u> -	
10.27	Electrical System	Point to point or multiplex, state-	
10.28	Starter/Alternator	Delco Remy with 36-SI thermal over crank protection Brushless 165 amp or equivalent	
10.29	Circuit breakers	Auto-reset, readily accessible	
10.30	Batteries	Three (3) maintenance free (12)-volt, group 31, 1950 CCA combined capacity. Batteries shall be accessible, state location -	
10.31	Battery Box	Enclosure required and not to impede with body installation.	
10.32	Battery disconnect	In-cab mounted	
10.33	Remote boost terminal	Remote battery boost terminal(s) with cover(s), state location -	
10.34	Cab marker lights	LED located in exterior sun shade visor or cab roof mounted, state location-	

10.35	2-way radio circuit	Independent 20 Amp circuit, ignition powered, wired under dash loose, labelled	
10.36	Accessory switches	Six (6) required. All switches complete and wired for body Installation provisions, labeled and backlit	,
	EXHAUST SYSTEM-		
10.37	Configuration	Vertical exhaust with heat shield. Exhaust location shall not impede with body installation.	
10.38	Heat shield	Required over exhaust next to cab door	
	TRANSMISSION-		
10.39	Model	Allison 3000 RDS with 6-speed programming and load Base Management System. Transmission shall be suitable and programmed for the Refuse packer application. PTO/Pump for Automatic Transmission to operator refuse Packer functions.	
10.40	Shift selector	Digital push-button type, dash mounted	
10.41	Fluid	Synthetic transmission fluid	
10.42	Cooling capacity	As per manufacturer's recommendation for severe duty cycle	
10.43	Oil level dipstick	Bayonet type with high and low level markings	
10.44	Trans. drain plug	Magnetic type	
	FRONT AXLE-		
10.45	Туре	Must be Meritor 9,000 lbs. capacity	
10.46	Fluid	Synthetic	
	REAR AXLE-		
10.47	Туре	Must be Meritor 17,500 lbs. capacity	
10.48	Ratio	As per in city usage refuse packer application. Ratio Shall be for a 110 km/hr top speed, state ratio-	
10.49	Differential lock(s)	Required for drive axle w/dash mtd. Switch	
10.50	Fluid	Synthetic	
	HUBS/ HUB SEALS-		
10.51	Hub seals	Oil lubricated front and rear	
10.52	Hubs	Aluminum or light weight steel front & rear hubs, state-	

10.53	Туре	Taper leaf spring suspension 9,000 lbs. capacity	
	REAR SUSPENSION-		
10.54	Туре	Air ride suspension, 17,500 lbs. capacity. Suspension must be suited for refuse packer application and dumping at the City of Winnipeg Brady Landfill site.	9
10.55	Susp. control valve	Manual dump valve for air suspension c/w dash mounted switch, indicator light, gauge and buzzer	
	RIMS, WHEELS-		
10.56	Front	22.5 x 7.5 aluminum wheels, hub piloted	
10.57	Rear	22.5 x 7.5 aluminum wheels, hub piloted	
	TIRES, FRONT-		
10.58	Front Tires-	(Mud & Snow) Front steer tires must be suitable for application and Province of Manitoba weather conditions state make & model of tires-	,
10.59	Size	295/75R 22.5, 14-ply rated for request front GVWR	
	TIRES, REAR-		
10.60	Rear Tires-	(Mud & Snow). Rear Drive tires must be suitable for application and Province of Manitoba weather conditions state make & model of tires-	
10.61	Size	295/75R 22.5, 14-ply rated for request rear GVWR	
	FRAME-		
10.62	Туре	Single rail only, suitable for requested GVWR and application. Frame rail must meet the RBM strength required for the request Gross Vehicle Weight Rating	
10.63	Back up Alarm-	Back up alarm located at rear of frame	
10.64	Chassis fasteners	Grade-8 threaded hex headed frame fasteners	
10.65	After-frame	As required for an 18 cubic yard compact refuse packer	
	STEERING-		
10.66	Туре	<u>Dual Steering</u> Heavy-duty power, synthetic oil preferred, rated for GVWR	
	BRAKES-		
10.67	Туре	Air, ABS, S-cam drum brakes, front & rear	
10.68	Slack adjusters	Meritor (clearance sensing), automatic type	
12.69	Parking brake	Spring set, four (4) chamber system	
10.70	Brake pots	Vented type	

10.71	Dust shields	Required, front and rear	
10.72	Moisture ejector	Bendix DV-2, heated to wet tank	
10.73	Drain valves	Manual chain or cable operated, required on each air tank	
10.74	Air dryer	Wabco System Saver 1200	
10.75	Air Tanks	Must be aluminum or Stainless steel with aluminum strap with minimum 1/16 in. rubber or neoprene isolators to prevent galvanic corrosion	s
	FUEL TANK-		
10.76	Туре	Aluminum, 189 L capacity, fully fuelled upon delivery, state location-	
10.77	Option	Bidder shall state optional price for the largest fuel tank(s) combination, but not to exceed the back of cab and not impede in body installation.	
10.78	Tank straps	Stainless steel or aluminum straps with minimum 1/16 in. rubber or neoprene isolators to prevent galvanic corrosion	
10.79	Fuel separator	Heated, drainable, mounted under hood, located to be protected from road spray	
	CAB-		
10.80	CAB- Type	Extended Cab preferred (Right Hand Stand) Conventional w/corrosion inhibitor	
10.80			
	Type	Conventional w/corrosion inhibitor	
10.81	Type Construction	Conventional w/corrosion inhibitor Aluminum or galvanized steel	
10.81 10.82	Type Construction BBC	Conventional w/corrosion inhibitor Aluminum or galvanized steel Front bumper to back of cab 106"- 108"	
10.81 10.82 10.83	Type Construction BBC Cab mounts	Conventional w/corrosion inhibitor Aluminum or galvanized steel Front bumper to back of cab 106"- 108" Air suspension	
10.81 10.82 10.83 10.84	Type Construction BBC Cab mounts Front grille	Conventional w/corrosion inhibitor Aluminum or galvanized steel Front bumper to back of cab 106"- 108" Air suspension Stationary type Extreme climate insulation including cloth or vinyl	
10.81 10.82 10.83 10.84 10.85	Type Construction BBC Cab mounts Front grille Cab interior / trim	Conventional w/corrosion inhibitor Aluminum or galvanized steel Front bumper to back of cab 106"- 108" Air suspension Stationary type Extreme climate insulation including cloth or vinyl headliner on roof, door panels and rear interior of cab	
10.81 10.82 10.83 10.84 10.85	Type Construction BBC Cab mounts Front grille Cab interior / trim Cab silencer package	Conventional w/corrosion inhibitor Aluminum or galvanized steel Front bumper to back of cab 106"- 108" Air suspension Stationary type Extreme climate insulation including cloth or vinyl headliner on roof, door panels and rear interior of cab Required for minimal decibel level, state (dba)-	
10.81 10.82 10.83 10.84 10.85 10.86 10.87	Type Construction BBC Cab mounts Front grille Cab interior / trim Cab silencer package Hood/Firewall/Engine	Conventional w/corrosion inhibitor Aluminum or galvanized steel Front bumper to back of cab 106"- 108" Air suspension Stationary type Extreme climate insulation including cloth or vinyl headliner on roof, door panels and rear interior of cab Required for minimal decibel level, state (dba)- Insulated hood liner, engine cover and firewall	
10.81 10.82 10.83 10.84 10.85 10.86 10.87 10.88	Type Construction BBC Cab mounts Front grille Cab interior / trim Cab silencer package Hood/Firewall/Engine Floor covering	Conventional w/corrosion inhibitor Aluminum or galvanized steel Front bumper to back of cab 106"- 108" Air suspension Stationary type Extreme climate insulation including cloth or vinyl headliner on roof, door panels and rear interior of cab Required for minimal decibel level, state (dba)- Insulated hood liner, engine cover and firewall Rubber mat with under-padding	

10.92	Sun visors	Dual flip-up type	
10.93	Steering wheels	Dual Steering, Tilt and telescopic type (driver side), Passenger fixed.	
10.94	12-Volt power outlet	(2) Required	
10.95	Radio	Factory installed AM/FM/CD with blue tooth hands free capability	
10.96	Starter switch	Key operated c/w three (3) sets of keys	
10.97	Interior light	Dome light with driver and passenger door switches	
10.98	Heater / Defroster	High output, capable of keeping all windows clear at an outside temperature of -35°F (-37°C)	
10.99	Air conditioning	Required	
10.100	Brake & accel. pedals	Floor or hanging type brake and accelerator pedal, State-	
10.101	Horn	Dual electric	
10.102	Exterior mirrors	Dual heated, lighted exterior mirrors. Shall come with convex mirrors. Suitable for 102 in. equipment width	
10.103	Down view mirror	Required over passenger door, state size-	
10.104	Windows & windshield	Factory Tint	
10.105	Power windows	Required on driver and passenger side. Controls for both windows required on driver side	
10.106	Windshield wipers	Electric, intermittent	
10.107	Wiper blades	Snow type with sealed boot.	
10.108	Windshield washers	Electric, required with spray nozzles on wiper Blades preferred.	
10.109	Grab handles	Dual exterior	
10.110	Entrance steps	Dual each side, open grate / grip type	
10.111	Winter front	Heavy-duty vinyl w/twist lock or snap type fasteners	
10.112	Exterior Visor	Exterior sun visor required	
10.113	Fender Mtd. Mirrors	Fender mounted adjustable convex mirror.	
10.114	Flare kit	Required, state location-	
10.115	Fire Extinguisher	(2.5) lbs. required, state location-	
10.116	First aid kit	Required, state location-	

INSTRUMENTATION-

10.117	Oil pressure	Gauge	
10.118	Coolant temperature	Gauge	
10.119	Transmission oil temp.	Gauge	
10.120	LOP/HWT	Warning light and buzzer	
10.121	Voltmeter	Gauge	
10.122	Air reservoir pressure	Gauge with LAP warning light and buzzer	
10.123	Engine hour-meter	Required, non-resettable type	
10.124	Weight Scale- TOW HOOKS-	OEM installed Model "Air-Weigh Truck Scales" dash mounted. Shall be able to provide steer and drive axles weights.	
10 125	Location	(2) front incide from a rail (2) room mounted	
10.123	FRONT BUMPER-	(2) front inside frame rail, (2) rear mounted	
10.100			
10.126	Гуре	Front bumper painted grey with driver and passenger Bumper markers	
	COLOUR-		
10.127	Exterior	White	
10.128	Interior	Blue or grey	
10.129	Frame & suspension	Primed and finished with black Imron 5000 paint	
	ACCESSORIES-		
10.130	Accessories	Wheel nut indicators on all wheel lug nuts required and Tool box frame mounted. State dimensions of tool box-	
10.130		Tool box frame mounted. State dimensions of tool	
	Accessories	Tool box frame mounted. State dimensions of tool	
10.131	Accessories BODY SPECS-	Tool box frame mounted. State dimensions of tool box-	
10.131 10.132	Accessories BODY SPECS- Loading Type	Tool box frame mounted. State dimensions of tool box- Single Stream, Dual side loading (both sides)	
10.131 10.132 10.133	Accessories BODY SPECS- Loading Type Capacity	Tool box frame mounted. State dimensions of tool box- Single Stream, Dual side loading (both sides) 18 cubic yard	

10.136 Dim	nensions	State- Height	
		State- Height Body Height	
		State- Height Body Length	
		State- Height Body Width	
		State- Height Net Body Weight	
10.137 Hoi	ist Capacity	5 tons capacity	
10.138 Car	mera	Rear View Camera w/ 5 inch LCD Dual	
10.139 Wh		Rear poly half-moon fenders, with mud flaps front and rear.	
10.140 Gre		Model EP0 Groeneveld/CPL Systems Inc., automatic greasing system including all required grease points on the chassis and refuse body. Shall come with automatic low level shut-off with in-cab red light indicator.	
10.141 Saf	fety Tape	DOT tape/stripping required	
10.142 Hyd		Hydraulic tank shall come with filtration system, easy Accessible for adding and removing hydraulic oil for maintenance.	
10.143 Pac		Bidder shall state packer safety features for packing Cycle-	
		Cycle-	
	ECTRICAL & LIGHTI	Cycle-	
ELE	ECTRICAL & LIGHTI hting	NG- All vehicle lighting shall conform to C.M.V.S.S. and	
ELI 10.144 Ligh	ECTRICAL & LIGHTI hting ring nnectors	NG- All vehicle lighting shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act requirements. All body supplier installed wiring shall be numbered, colour coded, loomed, properly secured and protected	
10.144 Ligh	ECTRICAL & LIGHTI hting ring nnectors	NG- All vehicle lighting shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act requirements. All body supplier installed wiring shall be numbered, colour coded, loomed, properly secured and protected from damage. All electrical connectors shall be crimped and soldered,	
10.144 Light 10.145 Wird 10.146 Core	ECTRICAL & LIGHTI hting ring nnectors dering	NG- All vehicle lighting shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act requirements. All body supplier installed wiring shall be numbered, colour coded, loomed, properly secured and protected from damage. All electrical connectors shall be crimped and soldered, Then sealed using heat-shrink tubing. All joining of wires shall be soldered and sealed using heat shrink tubing (crimp on electrical connectors for	

		mid ship. Two mounted rear of body. Exact location to be determined upon pre-production meeting.	
11.0	FINISH-		
11.1	Preparation	All refuse body and steel components that require painting shall be sand blasted, properly cleaned, primed and finished as follows: (Note: stainless steel and aluminum components shall remain unfinished).	
11.2	Paint/Primer	Refuse Packer body shall be primed with Endura EP32 Intermix Epoxy Primer then finished with 3-5 mils black Endura EX-2C Topcoat.	
12.0	WEIGHT DISTRIBUTION-		
12.1	Weight Distribution-	The completed units and all associated components shall not exceed the City of Winnipeg's limit for gross vehicle weight, axle and tire loads with the unit (including the chassis) fully fuelled and operational, one (1) operator, and including a full payload.	

13.0 <u>OPERATOR STATION</u> <u>ERGONOMICS</u>

Cab or station layout should provide a comfortable seating position for the 5^{th} to the 95^{th} percentile of personnel. Figure 1 below illustrates the variance between a 5^{th} to a 95^{th} percentile of North American males and females when seated.

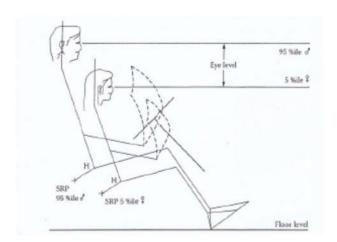
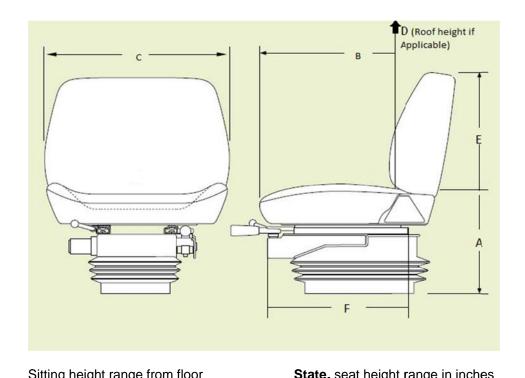


Figure 2: Use the below diagram to answer the specifications for Operator Station Ergonomics.



13.2	Sitting height ra (where feet res	ange from floor tt) (A)	State, seat height range in inches	
13.3	Seat length/de	pth (B)	State, seat length/depth in inches	
13.4	Seat width (C)		State, seat width in inches	
13.5	Cab height from applicable) (D)	m seat to roof (if	State, cab height range in inches	
13.6	Back rest heigh	nt (E)	State, back rest height in inches	
13.7	Seat travel ran	ge (F)	State, seat travel in inches	
13.8	Include any oth ergonomic spe applicable rang			
14.0	WARRANTY-			
14.1	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.			
14.2	Basic Vehicle	One (1) year, unlimited km,	state-	
14.3	Batteries	One (1) year, unlimited km	state-	
14.4	Drivetrain	Two (2) years, unlimited km	state-	
14.6	Cab structure/	Fire (F) was as a waller to the		
14.7	corrosion	Five (5) years, unlimited km	State-	

Cross-members Five (5) years, unlimited km state-

Cab paint	One (1) year or 100 000 km state-	
Engine	Three (3) years or 240 000 km state-	
Transmissio	n Two (2) years, unlimited km state-	
Axles, front	& rear- Two (2) years or 161 000 km state-	
Refuse Bod	y Warranty- State warranty-	
DELIVERY	-	
and deliver	pint: The complete unit shall be serviced, ready for operation red F.O.B. with the freight prepaid, including invoice and N.I.V.S. (if to the WFMA 185 Tecumseh Street, Winnipeg MB.	
	me: Within (26) twenty- six calendar weeks from the date of ipment shall be delivered between 8:00 am and 2:00 pm on ays.	
	ontact: The Contractor shall contact the Contract Administrator very of the equipment.	
	e-delivery inspection shall be performed by the Contractor on the Proof upon inspection including completed check list	
MANUALS	<u> </u>	
	upplied under this Contract. The manuals shall cover the quipment including all components thereof, CD is preferred where	
The following	ng manuals shall be supplied with the units when delivered:	
	's manual – Two (2) per unit (one operator manual shall he Equipment Operator Training Branch	
	d service manuals – one (1) complete set including preventative se schedules. CDs are preferred.	
PARTS/LA	BOUR PRICING	
	rovide City of Winnipeg Parts Discount % Pricing from retail parts ate percentage discount-	
	ovide City of Winnipeg Labor Discount % Pricing from Retail shop State percentage discount-	

18.0 N	IAINTENANCE PACKAGE	-
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18.1	Bidder to provide <u>if available</u> a full maintenance package for all scheduled maintenance for the chassis and refuse body. The bidder shall provide all details, terms and conditions and costs-	
		- - -
		- - - -