

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF SKID STEER AND COMPACT TRACK LOADERS

2. Bidder

Name of Bidder

Usual Business Name of Bidder as it appears on Invoice (if different from 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 applicable)

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 authorizes the following contact person to represent the Bidder for purposes of the Bid.

Contact Person

Title

Telephone Number

Facsimile Number

Email Address

4. Definitions

All capitalized terms used 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 accordance with the Contract for the price(s), in Canadian funds, set out on Form B: Prices, appended hereto.

6. Commencement of the Work The Bidder agrees that no Work shall commence until he/she is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.

7. Contract The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

8. Addenda The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

No.	Dated
_____	_____
_____	_____
_____	_____

9. Time This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

10. Signatures The Bidder or the Bidder's authorized official or officials 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 signature appears above)

(Print here name and official capacity of individual whose signature appears above)

FORM B: PRICES
 (See B9)

SUPPLY AND DELIVERY OF SKID STEER AND COMPACT TRACK LOADERS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Ride-On Compact Track Loader	16071	Each	1	
1a.	Log Grapple	16071	Each	1	
1b.	Brush Grapple	16071	Each	1	
1c.	Bucket - Narrow	16071	Each	1	
2.	Compact Track Loader	16072	Each	1	
2a.	Bucket - C/I Heavy Duty	16072	Each	1	
2b.	Bucket - Snow and Light Material	16072	Each	1	
2c.	Auger	16072	Each	1	
3.	Skid Steer Loader	16073	Each	1	
3a.	Bucket - C/I Heavy Duty	16073	Each	1	
3b.	Bucket - Snow and Light Material	16073	Each	1	
3c.	Snowblower Front Mount , High Flow	16073	Each	1	
4.	Compact Track Loader	16074	Each	1	
4a.	Bucket - C/I Heavy Duty	16074	Each	1	
4b.	Snowblower Front Mount, High Flow	16074	Each	1	

 Name of Bidder

FORM N: DETAILED SPECIFICATIONS 16071

Ride-On Compact Track Loader

1.0 DESCRIPTION OF EQUIPMENT/APPLICATION

- 1.1 **Description-** These specifications describe a Ride-On Compact Track Loader and other equipment and features as specified herein.
- 1.2 The Ride-On Compact Track Loader shall be a new 2017 model year.
- 1.3 The Ride-On Compact Track Loader 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 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 Ride-On Compact Track Loader shall comply with the applicable regulations:

Transport Canada, 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.csagroup.org/>

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 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.

4.0 **REFERENCES**

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 **Ride-On Compact Track Loader** 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.

6.2 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 **Ride-On Compact Track Loader**, 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 **Ride-On Compact Track Loader** 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 equipment must be fully fuelled upon delivery (**no exceptions**).

9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the **Ride-On Compact Track Loader** shall have five (5) years continuous experience manufacturing **Ride-On Compact Track Loader**.
- 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 **Ride-On Compact Track Loader** of the type being offered.

10.0 SPECIFICATIONS:

Engine / Transmission

- | | | | |
|------|--------------------------------|---|-------|
| 10.1 | Engine Make & Model | State: | _____ |
| 10.2 | Engine | Tier IV Interim or Final compliant meeting current Emission Standards | _____ |
| 10.3 | Fuel Type | Diesel | _____ |
| 10.4 | Horsepower - Gross (SAE J1995) | Approximately 24 HP
State: | _____ |
| 10.5 | Fuel Tank Capacity | Approximately 7 - 14 gal
State: | _____ |
| 10.6 | Cooling System | Liquid
State: | _____ |
| 10.7 | Transmission | State: | _____ |

Operational

- | | | | |
|-------|----------------------------|--|-------|
| 10.8 | Steering | Single, pilot-operated joystick | _____ |
| 10.9 | Operator Presence Platform | Required:
Integrated Operator Presence Platform for Operator safety. Bolt on design <u>not</u> acceptable. Must have operator presence sensor. | _____ |
| 10.10 | Lift | Joystick | _____ |
| 10.11 | Curl | Joystick | _____ |

Dimensions and Weights

- | | | | |
|-------|-----------------------------|---|-------|
| 10.12 | Length w/o attachment | Approximately 84 – 86 inches
State: | _____ |
| 10.13 | Length with Standard Bucket | Approximately 106 inches
State: | _____ |
| 10.14 | Width w/o attachment | Approximately 36 inches
State: | _____ |
| 10.15 | Width with Standard Bucket | State: | _____ |

10.16	Operating Height with Standard Bucket	Approximately 103 inches State:	_____
10.17	Height to Hinge Pin	Approximately 80 – 85 inches State:	_____
10.18	Height	Approximately 53 – 57 inches State:	_____
10.19	Dump Height (with standard bucket)	Approximately 48 – 62 inches	_____
10.20	Dump Reach (At Maximum Height)	Approximately 17 – 25 inches	_____
10.21	Ground Clearance	Approximately 6 – 8 inches State:	_____
10.22	Weight (no attachments)	Approximately 2850 – 3000 lbs. State:	_____
10.23	Weight (with standard bucket)	Approximately 2990 - 3150 lbs. State:	_____

Performance

10.24	Rated Operating Capacity (35% of Tipping)	Approximately 750 – 1000 lbs. State:	_____
10.25	Tipping Capacity (Load)	Approximately 2150 – 2860 lbs. State:	_____
10.26	Break Out Force (Lift)	Approximately 2350 lbs. State:	_____
10.27	Break Out Force (Tilt)	Approximately 2170 lbs. State:	_____
10.28	Travel Speed (forward)	Approximately 4.0 mph State:	_____
10.29	Travel Speed (reverse)	Approximately 3.0 mph State:	_____

Hydraulic System

10.30	Auxiliary Hydraulic Control	For Low and High Flow Applications State: Low and High Flow Rates	_____
10.31	System Pressure	Approximately 2900 psi State:	_____
10.32	Tank Capacity	Approximately 5 – 12 gal State:	_____

Tracks

10.33	Track Material	Rubber State:	_____
10.34	Track Width	Approximately 7 inches State: width	_____
10.35	Ground Pressure	Approximately 4.0 psi for 7 inch track State:	_____
10.36	Track Width - Option	Approximately 9 inches State: Optional Track Width	_____
10.37	Ground Pressure	Approximately 3.0 psi for 9 inch track State:	_____

Attachments

10.38	Brush Grapple Aka: Root Grapple Grapple Fork	State: Description	_____
10.39	Log Grapple	1. Rotate up to 315 degrees. 2. Four (4) position locking pins in order to lock the grapple in any desired location State: Capabilities	_____
10.40	Bucket - Narrow	Approximately 34 – 36 inches wide State: Size	_____

Safety

10.41	Fire Extinguisher	State: Type, size and location	_____
10.42	Back-Up Alarm	Required State: dB	_____
10.43	Safety Lighting	Blue/Amber (individual control) Low Dome Beacon, permanently mounted on top of ROPS and wired to the ignition. State: Make and Model:	_____
10.44	Slow Moving Vehicle Sign	Required:	_____

11.0 **WARRANTY**

11.1 All warranty information shall be detailed and **include all exclusions**. The successful Bidder shall provide all published warranty information upon delivery of the equipment. _____

11.2 The warranty for the **Ride-On Compact Track Loader** shall cover the complete equipment, and all parts thereof against any defects of workmanship, construction and materials, for a period of 12 months. _____

Any equipment that has become defective during said warranty period and has not proven to have been caused by negligence on the part of the user shall be repaired or replaced at no cost to the City.

The warranty shall be effective from the date the equipment is put into service by the City of Winnipeg.

11.3 Basic Equipment Warranty **State:** _____

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:** **Four (4) – Six (6) calendar weeks or Sooner** from the date of award. Equipment shall be delivered between 8:00 am and 3:00 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 The manuals supplied under this contract shall cover the complete equipment including all components thereof, CD 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 (1) operator manual shall be sent to the Equipment Operator Training Branch. _____

b) Parts and Service Manuals – One (1) complete set including preventative maintenance schedules. Memory sticks are preferred. _____

14.0 **PARTS/LABOUR PRICING**

14.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount** _____

14.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount** _____

15.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

15.1 In order to assure minimum downtime of the Equipment in future service, the Contractor must 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. _____

15.2 The Contractor must 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. _____

FORM N: DETAILED SPECIFICATIONS 16072

Compact Track Loader

1.0 DESCRIPTION OF EQUIPMENT/APPLICATION

- 1.1 **Description-** These specifications describe a Compact Track Loader and other equipment and features as specified herein.
- 1.2 The Compact Track Loader shall be a new 2017 model year.
- 1.3 The Compact Track Loader 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 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 Compact Track Loader shall comply with the applicable regulations:

Transport Canada, 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.csagroup.org/>

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 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.

4.0 REFERENCES

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 Compact Track Loader 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.

6.2 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.

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7.3 Where the Compact Track Loader 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 equipment must be fully fuelled upon delivery (**no exceptions**).

9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the **Compact Track Loader** shall have five (5) years continuous experience manufacturing **Compact Track Loader**.
- 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 Track Loader** of the type being offered.

10.0 SPECIFICATIONS:

Engine:

- | | | | |
|------|--|---|-------|
| 10.1 | Engine Make & Model | State: | _____ |
| 10.2 | Engine | Tier IV Interim or Final compliant meeting current Emission Standards | _____ |
| 10.3 | Fuel Type | Diesel | _____ |
| 10.4 | Fuel Capacity | Approximately 25 - 45 gal
State: | _____ |
| 10.5 | Horsepower – Net (SAE J1349) | Approximately 82 HP Net
State: | _____ |
| 10.6 | Torque – Net (SAE J1349) | Approximately 240 lb.-ft. of torque Net
State: | _____ |
| 10.7 | Cylinders | Four (4) cylinder | _____ |
| 10.8 | Engine Block Heater (cold weather operation) | Required: | _____ |

Drive System

- | | | | |
|-------|--------------------------|--|-------|
| 10.9 | Main Drive | Hydrostatic | _____ |
| 10.10 | Transmission | Required: Two (2) Speed | _____ |
| 10.11 | Track Material | Rubber
State: | _____ |
| 10.12 | Track Width | Approximately 17 inches
State width | _____ |
| 10.13 | Track Width - Option | Approximately 12 inches
State Optional Track Width | _____ |
| 10.14 | Track – Length on Ground | Approximately 64 inches
State Length on Ground | _____ |

Electrical

10.15	Alternator	Approximately 120 amp State:	_____
10.16	Battery	Heavy Duty State CCA	_____
10.17	Starter	State	_____

Hydraulic

10.18	Pump Type	Engine driven, gear type State:	_____
10.19	Pump Capacity (High-Flow)	Approximately 35 - 40 gpm State:	_____
10.20	Cold Operation Rated	Required	_____
10.21	System Relief at Quick Couplers	Approximately 3500 psi State:	_____

Dimensions

10.22	Length w/o Attachment	Approximately 114 – 124 inches State:	_____
10.23	Length with Std. Bucket	Approximately 141 - 154 inches State:	_____
10.24	Width @ Tracks	Approximately 76 - 78 inches State:	_____
10.25	Width with Std. Bucket	Approximately 80 inches State:	_____
10.26	Height with Operator Cab	Approximately 80 - 83 inches State:	_____
10.27	Height to Bucket Hinge Pin	Approximately 126 - 132 inches State:	_____
10.28	Dump Height	Approximately 99 - 105 inches State:	_____
10.29	Dump Reach @ Maximum Height	Approximately 24 - 40 inches State:	_____
10.30	Turning Radius	Approximately 85 - 95 inches State:	_____

Performance

10.31	Operating Weight	Approximately 10,000 – 11,500 lbs. State:	_____
10.32	Rated Operating Capacity (35% of Tip)	Approximately 3185 lbs. State:	_____
10.33	Rated Operating Capacity (50% of Tip)	Approximately 4550 lbs. State:	_____
10.34	Tipping Load	Approximately 9100 lbs. State:	_____
10.35	Break Out Force (Lift)	Approximately 6500 - 7750 lbs. State:	_____
10.36	Break Out Force (Tilt)	Approximately 7000 - 8700 lbs. State:	_____
10.37	Travel Speed (2 Speed)	Required Approximately 10 mph State:	_____

Cycle Times

10.38	Raise (Lift Arms)	Approximately 4.5 sec State:	_____
10.39	Lower (Lift Arms)	Approximately 3.0 sec State:	_____
10.40	Dump (Bucket)	Approximately 2.5 sec State:	_____
10.41	Rollback (Bucket)	Approximately 2.0 sec State:	_____

Safety

10.42	In Cab Boom Lock	Preferred but not required State:	_____
10.43	ROPS Roll Over Protective Structure	Must meet SAE and ISO Standards State:	_____
10.44	FOPS Falling Object Protective Structure	Must meet SAE and ISO Standards State: Level of Certification	_____
10.45	Seat Belt	Required: Three (3)-Point Harness (Lap belt not acceptable)	_____
10.46	Grab Handles	Entry/Exit Area	_____
10.47	Fire Extinguisher	State: Type, size and location	_____

10.48	Back-Up Alarm	Required State: dB	_____
10.49	Safety Lighting	Make and Model: Whelen L31HABF Series LED, SAE Class 1 or equivalent Blue/Amber (individual control) Low Dome Beacon, permanently mounted on top of ROPS and wired to the ignition.	_____
10.50	Slow Moving Vehicle Sign	Required:	_____
<u>Operator Controls and Cab</u>			
10.51	OEM Ride Control	State:	_____
10.52	Machine Steering	Required: Direction and speed controlled joystick(s)	_____
10.53	Loader Hydraulics	Required: Selectable Joystick Control	_____
10.54	Parking Brake	Spring applied, hydraulically released State:	_____
10.55	Arm Rests	Adjustable	_____
10.56	Antitheft System	Required: State: Type	_____
10.57	Windows	Required: tempered safety glass Front, rear and side	_____
10.58	Windshield Wiper	Front windshield wiper provided with a windshield washer system	_____
10.59	Heat and Air Conditioning	With pressurized cab	_____
10.60	Sound Reduction	Sound proof package	_____
10.61	Horn	Operator controlled	_____
10.62	Mirrors	Rear View Mirror(s)	_____
10.63	Fuel Cap	Required: Locking	_____
10.64	Radio	AM/FM/CD	_____
10.65	Seat	Refer to: Ergonomic Specifications	_____

Attachments

10.66	Bucket – C/I Heavy Duty	Approximately 80 inches Width State:	_____
10.67	Bucket – Snow and Light Material	Approximately 80 inches Width State:	_____
10.68	Auger	Drill Holes Approximately 36 inches Dia. State:	_____

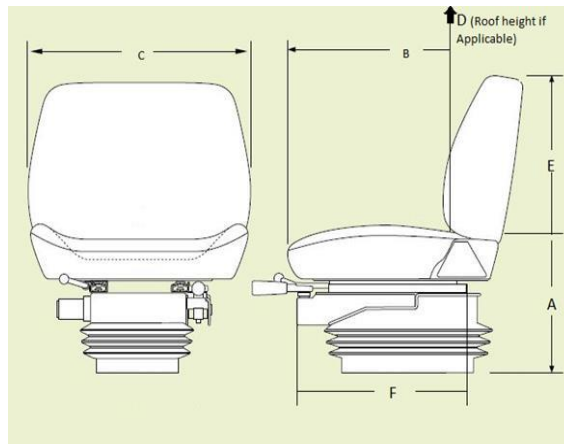
11.0 ERGONOMIC SPECIFICATIONS

Entry/ Exit

11.1	First step entry height	State, height of first step in inches	_____
11.2	First handhold entry height	State, first handhold entry height in inches	_____
11.3	Access to equipment	State, door opening height in inches	_____
11.4	Access to equipment	State, door opening width in inches	_____
11.5	Designed to prevent slipping	Anti-slip steps/handholds (Y or N)?	_____

Seat

11.6 Use diagram to answer questions.



11.7	Sitting Height Range (from floor (where feet rest) (A))	State, seat height range in inches	_____
11.8	Seat Length/Depth (B)	State, seat length/depth in inches	_____
11.9	Seat Width (C)	State, seat width in inches	_____

- | | | | |
|-------|---|---|-------|
| 11.10 | Cab Height
(from seat to roof (if applicable) (D)) | State , cab height range in inches | _____ |
| 11.11 | Back Rest Height (E) | State , back rest height in inches | _____ |
| 11.12 | Seat Travel Range (F) | State , seat travel in inches | _____ |
| 11.13 | Lumbar Support | Is lumbar support provided (Y or N)? | _____ |
| 11.14 | Head Rest | Is head rest provided (Y or N)? | _____ |
| 11.15 | Seat is made of breathable material | State , type of seat material | _____ |

Operation

- | | | | |
|-------|---|--|-------|
| 11.16 | Reaching Distance
(to usual work) | State , reaching distance in inches | _____ |
| 11.17 | Maximum Reaching Distance | State , maximum reach distance in inches | _____ |
| 11.18 | Adjustable Pedals
(accelerator/brake/clutch) | Are pedals adjustable (Y or N)? | _____ |
| 11.19 | Adjustable Steering Wheel | Is steering wheel adjustable (Y or N)? | _____ |
| 11.20 | Adjustable Shoulder Belt | Is belt adjustable and anchored (Y or N)? | _____ |

Cargo Area

- | | | | |
|-------|-------------------------------------|--|-------|
| 11.21 | Lid opens to provide adequate space | Adequate space provided (Y or N)? | _____ |
| 11.22 | Loading Height | State , trunk height in inches | _____ |

Environment

- | | | | |
|-------|--|---|-------|
| 11.23 | Operator compartment is insulated from equipment noise (while operating) | State , dB inside cab while operating | _____ |
| 11.24 | Operator insulated from equipment vibration | Is operator insulated from vibration (Y or N)? | _____ |
| 11.25 | Heating/Cooling Systems | State , cab temperature range | _____ |
| 11.26 | Cab Lighting | State , lumens inside cab | _____ |

Maintenance/ Inspection

- | | | | |
|-------|---------------------------------------|--|-------|
| 11.27 | Lift Assistance
(when necessary) | Is lift assistance provided (Y or N)? | _____ |
| 11.28 | Easy Access
(to compartment doors) | Is easy access provided (Y or N)? | _____ |

11.29 Include any other relevant ergonomic specifications and applicable range of adjustment _____

12.0 **WARRANTY**

12.1 All warranty information shall be detailed and **include all exclusions**. The successful Bidder shall provide all published warranty information upon delivery of the equipment. _____

12.2 The warranty for the **Compact Track Loader** shall cover the complete equipment, and all parts thereof against any defects of workmanship, construction and materials, for a period of 12 months. _____

Any equipment that has become defective during said warranty period and has not proven to have been caused by negligence on the part of the user shall be repaired or replaced at no cost to the City.

The warranty shall be effective from the date the equipment is put into service by the City of Winnipeg.

12.3 Basic Equipment Warranty **State:** _____

13.0 **DELIVERY**

13.1 **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 _____

13.2 **Delivery Time:** **Four (4) – Six (6) calendar weeks or Sooner** from the date of award. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days. _____

13.3 **Delivery Contact:** The Contractor shall contact the Contract Administrator prior to delivery of the equipment. _____

13.4 **P.D.I:** A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list _____

14.0 **MANUALS**

14.1 The manuals supplied under this contract shall cover the complete equipment including all components thereof, CD is preferred where available. _____

14.2 The following manuals shall be supplied with the units when delivered:

a) Operator's Manual – Two (2) per unit. One (1) operator manual shall be sent to the Equipment Operator Training Branch. _____

b) Parts and Service Manuals – One (1) complete set including preventative maintenance schedules. Memory sticks are preferred. _____

15.0 **PARTS/LABOUR PRICING**

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 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

16.1 In order to assure minimum downtime of the Equipment in future service, the Contractor must 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. _____

16.2 The Contractor must 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. _____

FORM N: DETAILED SPECIFICATIONS 16073

Skid Steer Loader

1.0 DESCRIPTION OF EQUIPMENT/APPLICATION

- 1.1 **Description-** These specifications describe a Skid Steer Loader and other equipment and features as specified herein.
- 1.2 The Skid Steer Loader shall be a new 2017 model year.
- 1.3 The Skid Steer Loader 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 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 Skid Steer Loader shall comply with the applicable regulations:

Transport Canada, 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.csagroup.org/>

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 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.

4.0 **REFERENCES**

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 **Skid Steer Loader** 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.

6.2 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 **Skid Steer Loader**, 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 **Skid Steer Loader** 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 equipment must be fully fuelled upon delivery (**no exceptions**).

9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the **Skid Steer Loader** shall have five (5) years continuous experience manufacturing **Skid Steer Loader**.
- 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 **Skid Steer Loader** of the type being offered.

10.0 SPECIFICATIONS:

Engine:

- | | | | |
|------|--|---|-------|
| 10.1 | Engine Make & Model | State: | _____ |
| 10.2 | Engine | Tier IV Interim or Final compliant meeting current Emission Standards | _____ |
| 10.3 | Fuel Type | Diesel | _____ |
| 10.4 | Fuel Capacity | Approximately 25 gal
State: | _____ |
| 10.5 | Horsepower – Net (SAE J1349) | Approximately 70 HP Net
State: | _____ |
| 10.6 | Torque – Net (SAE J1349) | Approximately 200 lb.-ft. of torque Net
State: | _____ |
| 10.7 | Cylinders | Four (4) cylinder | _____ |
| 10.8 | Engine Block Heater (cold weather operation) | Required: | _____ |

Drive System

- | | | | |
|-------|--------------|---|-------|
| 10.9 | Main Drive | Hydrostatic, 4-Wheel Drive | _____ |
| 10.10 | Transmission | Required: Two (2) Speed | _____ |
| 10.11 | Tires | Heavy Duty
State: Type and size | _____ |

Electrical

- | | | | |
|-------|------------|---|-------|
| 10.12 | Alternator | Approximately 90 – 120 amp
State: | _____ |
| 10.13 | Battery | Heavy Duty
State: CCA | _____ |
| 10.14 | Starter | State: | _____ |

Hydraulic

10.15	Pump Type	Engine driven, gear type State:	_____
10.16	Pump Capacity (High-Flow)	Approximately 30 - 40 gpm State:	_____
10.17	Cold Operation Rated	Required:	_____
10.18	System Relief at Quick Couplers	Approximately 3500 psi State:	_____

Dimensions

10.19	Length w/o Attachment	Approximately 108 - 118 inches State:	_____
10.20	Length with Std. Bucket	Approximately 136- 142 inches State:	_____
10.21	Width @ Tires	Approximately 69 - 72 inches State:	_____
10.22	Width with Std. Bucket	Approximately 74 inches State:	_____
10.23	Height with Operator Cab	Approximately 78 - 82 inches State:	_____
10.24	Height to Bucket Hinge Pin	Approximately 124 - 130 inches State:	_____
10.25	Dump Height	Approximately 96 - 101 inches State:	_____
10.26	Dump Reach @ Maximum Height	Approximately 29 - 32 inches State:	_____
10.27	Turning Radius	Approximately 83 inches State:	_____

Performance

10.28	Operating Weight	Approximately 8050 lbs. State:	_____
10.29	Rated Operating Capacity (50% of Tip)	Approximately 2690 - 2800 lbs. State:	_____
10.30	Tipping Load	Approximately 5380 - 5600 lbs. State:	_____
10.31	Break Out Force (Lift)	Approximately 5000 - 6000 lbs. State:	_____
10.32	Break Out Force (Tilt)	Approximately 5100 - 8700 lbs. State:	_____

10.33	Travel Speed (2 Speed)	Required Approximately 10 mph State:	_____
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Cycle Times

10.34	Raise (Lift Arms)	Approximately 3.5 – 4.5 sec State:	_____
-------	-------------------	--	-------

10.35	Lower (Lift Arms)	Approximately 2.5 – 3.5 sec State:	_____
-------	-------------------	--	-------

10.36	Dump (Bucket)	Approximately 2.5 sec State:	_____
-------	---------------	--	-------

10.37	Rollback (Bucket)	Approximately 1.5 – 2.0 sec State:	_____
-------	-------------------	--	-------

Safety

10.38	In Cab Boom Lock	Preferred but not required State:	_____
-------	------------------	--	-------

10.39	ROPS Roll Over Protective Structure	Must meet SAE and ISO Standards State:	_____
-------	--	--	-------

10.40	FOPS Falling Object Protective Structure	Must meet SAE and ISO Standards State: Level of Certification	_____
-------	---	---	-------

10.41	Seat Belt	Required: Three (3)-Point Harness (Lap belt not acceptable)	_____
-------	-----------	--	-------

10.42	Grab Handles	Entry/Exit area	_____
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10.43	Fire Extinguisher	State: Type, size and location	_____
-------	-------------------	---------------------------------------	-------

10.44	Back-Up Alarm	Required State dB	_____
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10.45	Safety Lighting	Make and Model: Whelen L31HABF Series LED, SAE Class 1 or equivalent Blue/Amber (individual control) Low Dome Beacon, permanently mounted on top of ROPS and wired to the ignition.	_____
-------	-----------------	--	-------

10.46	Slow Moving Vehicle Sign	Required:	_____
-------	--------------------------	------------------	-------

Operator Controls and Cab

10.47	OEM Ride Control	State:	_____
10.48	Machine Steering	Required: Direction and speed controlled joystick(s)	_____
10.49	Loader Hydraulics	Required: Selectable Joystick Control	_____
10.50	Parking Brake	Spring applied, hydraulically released	_____
10.51	Arm rests	Adjustable	_____
10.52	Antitheft system	Required: State: type	_____
10.53	Windows	Required: tempered safety glass Front, rear and side	_____
10.54	Windshield Wiper	Front windshield wiper provided with a windshield washer system	_____
10.55	Heat and Air Conditioning	With pressurized cab	_____
10.56	Sound Reduction	Sound proof package	_____
10.57	Horn	Operator controlled	_____
10.58	Mirrors	Rear View Mirror(s)	_____
10.59	Fuel Cap	Required: Locking	_____
10.60	Radio	AM/FM/CD	_____
10.61	Seat	Refer to: Ergonomic Specifications	_____

Attachments

10.62	Snowblower Front Mount, <u>High Flow</u>	Approximately 78 inches Width State: Model/Part Number	_____
10.63	Bucket - C/I Heavy Duty	Approximately 80 inches Width State:	_____
10.64	Bucket - Snow and Light Material	Approximately 80 inches Width State:	_____

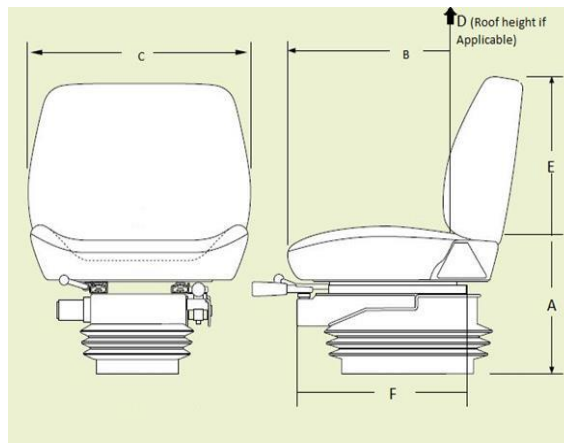
11.0 **ERGONOMIC SPECIFICATIONS**

Entry/ Exit

- | | | | |
|------|------------------------------|--|-------|
| 11.1 | First step entry height | State , height of first step in inches | _____ |
| 11.2 | First handhold entry height | State , first handhold entry height in inches | _____ |
| 11.3 | Access to equipment | State , door opening height in inches | _____ |
| 11.4 | Access to equipment | State , door opening width in inches | _____ |
| 11.5 | Designed to prevent slipping | Anti-slip steps/handholds (Y or N)? | _____ |

Seat

11.6 Use diagram to answer questions.



- | | | | |
|-------|---|---|-------|
| 11.7 | Sitting Height Range (from floor (where feet rest) (A)) | State , seat height range in inches | _____ |
| 11.8 | Seat Length/Depth (B) | State , seat length/depth in inches | _____ |
| 11.9 | Seat Width (C) | State , seat width in inches | _____ |
| 11.10 | Cab Height (from seat to roof (if applicable) (D)) | State , cab height range in inches | _____ |
| 11.11 | Back Rest Height (E) | State , back rest height in inches | _____ |
| 11.12 | Seat Travel Range (F) | State , seat travel in inches | _____ |
| 11.13 | Lumbar Support | Is lumbar support provided (Y or N)? | _____ |
| 11.14 | Head Rest | Is head rest provided (Y or N)? | _____ |
| 11.15 | Seat is made of breathable material | State , type of seat material | _____ |

Operation

- | | | | |
|-------|---|--|-------|
| 11.16 | Reaching Distance
(to usual work) | State , reaching distance in inches | _____ |
| 11.17 | Maximum Reaching
Distance | State , maximum reach distance in inches | _____ |
| 11.18 | Adjustable Pedals
(accelerator/brake/clutch) | Are pedals adjustable (Y or N)? | _____ |
| 11.19 | Adjustable Steering
Wheel | Is steering wheel adjustable (Y or N)? | _____ |
| 11.20 | Adjustable Shoulder Belt | Is belt adjustable and anchored (Y or N)? | _____ |

Cargo Area

- | | | | |
|-------|--|--|-------|
| 11.21 | Lid opens to provide
adequate space | Adequate space provided (Y or N)? | _____ |
| 11.22 | Loading Height | State , trunk height in inches | _____ |

Environment

- | | | | |
|-------|--|---|-------|
| 11.23 | Operator compartment is
insulated from equipment
noise (while operating) | State , dB inside cab while operating | _____ |
| 11.24 | Operator insulated from
equipment vibration | Is operator insulated from vibration (Y or N)? | _____ |
| 11.25 | Heating/Cooling Systems | State , cab temperature range | _____ |
| 11.26 | Cab Lighting | State , lumens inside cab | _____ |

Maintenance/ Inspection

- | | | | |
|-------|--|--|-------|
| 11.27 | Lift Assistance
(when necessary) | Is lift assistance provided (Y or N)? | _____ |
| 11.28 | Easy Access
(to compartment doors) | Is easy access provided (Y or N)? | _____ |
| 11.29 | Include any other relevant ergonomic specifications and applicable range of adjustment | | |

12.0 **WARRANTY**

12.1 All warranty information shall be detailed and **include all exclusions**. The successful Bidder shall provide all published warranty information upon delivery of the equipment. _____

12.2 The warranty for the **Skid Steer Loader** shall cover the complete equipment, and all parts thereof against any defects of workmanship, construction and materials, for a period of 12 months. _____

Any equipment that has become defective during said warranty period and has not proven to have been caused by negligence on the part of the user shall be repaired or replaced at no cost to the City.

The warranty shall be effective from the date the equipment is put into service by the City of Winnipeg.

12.3 Basic Equipment Warranty **State:** _____

13.0 **DELIVERY**

13.1 **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 _____

13.2 **Delivery Time:** **August 14 – 31, 2017**. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days. _____

13.3 **Delivery Contact:** The Contractor shall contact the Contract Administrator prior to delivery of the equipment. _____

13.4 **P.D.I:** A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list _____

14.0 **MANUALS**

14.1 The manuals supplied under this contract shall cover the complete equipment including all components thereof, CD is preferred where available. _____

14.2 The following manuals shall be supplied with the units when delivered:

a) Operator's Manual – Two (2) per unit. One (1) operator manual shall be sent to the Equipment Operator Training Branch. _____

b) Parts and Service Manuals – One (1) complete set including preventative maintenance schedules. Memory sticks are preferred. _____

15.0 **PARTS/LABOUR PRICING**

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 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

16.1 In order to assure minimum downtime of the Equipment in future service, the Contractor must 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. _____

16.2 The Contractor must 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. _____

FORM N: DETAILED SPECIFICATIONS 16074

Compact Track Loader

1.0 DESCRIPTION OF EQUIPMENT/APPLICATION

- 1.1 **Description-** These specifications describe a Compact Track Loader and other equipment and features as specified herein.
- 1.2 The Compact Track Loader shall be a new 2017 model year.
- 1.3 The Compact Track Loader 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 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 Compact Track Loader shall comply with the applicable regulations:

Transport Canada, 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.csagroup.org/>

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 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.

4.0 **REFERENCES**

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 **Compact Track Loader** 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.

6.2 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 Track Loader**, 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 **Compact Track Loader** 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 equipment must be fully fuelled upon delivery (**no exceptions**).

9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the **Compact Track Loader** shall have five (5) years continuous experience manufacturing **Compact Track Loader**.
- 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 Track Loader** of the type being offered.

10.0 SPECIFICATIONS:

Engine:

- | | | | |
|------|--|---|-------|
| 10.1 | Engine Make & Model | State: | _____ |
| 10.2 | Engine | Tier IV Interim or Final compliant meeting current Emission Standards | _____ |
| 10.3 | Fuel Type | Diesel | _____ |
| 10.4 | Fuel Capacity | Approximately 20 - 35 gal
State: | _____ |
| 10.5 | Horsepower – Net (SAE J1349) | Approximately 68 - 75 HP Net
State: | _____ |
| 10.6 | Torque – Net (SAE J1349) | Approximately 210 - 230 lb.-ft. Net
State: | _____ |
| 10.7 | Cylinders | Four (4) cylinder | _____ |
| 10.8 | Engine Block Heater (cold weather operation) | Required: | _____ |

Drive System

- | | | | |
|-------|--------------------------|--|-------|
| 10.9 | Main Drive | Hydrostatic | _____ |
| 10.10 | Transmission | Required: Two (2) Speed | _____ |
| 10.11 | Track Material | Rubber
State: | _____ |
| 10.12 | Track Width | Approximately 12 inches
State: | _____ |
| 10.13 | Track Width - Option | Approximately 15 inches
State Optional Track Width | _____ |
| 10.14 | Track – Length on Ground | Approximately 55 inches
State Length on Ground | _____ |

Electrical

10.15	Alternator	Approximately 120 amp State:	_____
10.16	Battery	Heavy Duty State: CCA	_____
10.17	Starter	State:	_____

Hydraulic

10.18	Pump Type	Engine driven, gear type State:	_____
10.19	Pump Capacity (High-Flow)	Approximately 25 - 35 gpm State:	_____
10.20	Cold Operation Rated	Required	_____
10.21	System Relief at Quick Couplers	Approximately 3500 psi State:	_____

Dimensions

10.22	Length w/o Attachment	Approximately 104 – 110 inches State:	_____
10.23	Length with Std. Bucket	Approximately 130 - 154 inches State:	_____
10.24	Width @ Tracks	Approximately 66 inches State:	_____
10.25	Width with Std. Bucket	Approximately 68 inches State:	_____
10.26	Height with Operator Cab	Approximately 77 - 82 inches State:	_____
10.27	Height to Bucket Hinge Pin	Approximately 119 - 123 inches State:	_____
10.28	Dump Height	Approximately 90 - 96 inches State:	_____
10.29	Dump Reach @ Maximum Height	Approximately 25 - 41 inches State:	_____
10.30	Turning Radius	Approximately 80 inches State:	_____

Performance

10.31	Operating Weight	Approximately 8000 - 8900 lbs. State:	_____
10.32	Rated Operating Capacity (35% of Tip)	Approximately 2170 - 2275 lbs. State:	_____
10.33	Rated Operating Capacity (50% of Tip)	Approximately 3100 - 3250 lbs. State:	_____
10.34	Tipping Load	Approximately 6200 - 6500 lbs. State:	_____
10.35	Break Out Force (Lift)	Approximately 4600 - 6400 lbs. State:	_____
10.36	Break Out Force (Tilt)	Approximately 5400 - 8600 lbs. State:	_____
10.37	Travel Speed (2 Speed)	Required Approximately 4.5 – 7.0 mph State:	_____

Cycle Times

10.38	Raise (Lift Arms)	Approximately 4.3 sec State:	_____
10.39	Lower (Lift Arms)	Approximately 2.5 sec State:	_____
10.40	Dump (Bucket)	Approximately 2.5 sec State:	_____
10.41	Rollback (Bucket)	Approximately 2.0 sec State:	_____

Safety

10.42	In Cab Boom Lock	Preferred but not required State:	_____
10.43	ROPS Roll Over Protective Structure	Must meet SAE and ISO Standards State:	_____
10.44	FOPS Falling Object Protective Structure	Must meet SAE and ISO Standards State: Level of Certification	_____
10.45	Seat Belt	Required: Three (3)-Point Harness (Lap belt not acceptable)	_____
10.46	Grab Handles	Entry/Exit Area	_____
10.47	Fire Extinguisher	State: Type, size and location	_____

10.48	Back-Up Alarm	Required State: dB	_____
10.49	Safety Lighting	Make and Model: Whelen L31HABF Series LED, SAE Class 1 or equivalent Blue/Amber (individual control) Low Dome Beacon, permanently mounted on top of ROPS and wired to the ignition.	_____
10.50	Slow Moving Vehicle Sign	Required:	_____
<u>Operator Controls and Cab</u>			
10.51	OEM Ride Control	State:	_____
10.52	Machine Steering	Required: Direction and speed controlled joystick(s)	_____
10.53	Loader Hydraulics	Required: Selectable Joystick Control	_____
10.54	Parking Brake	Spring applied, hydraulically released State:	_____
10.55	Arm Rests	Adjustable	_____
10.56	Antitheft System	Required: State: Type	_____
10.57	Windows	Required: tempered safety glass Front, rear and side	_____
10.58	Windshield Wiper	Front windshield wiper provided with a windshield washer system	_____
10.59	Heat and Air Conditioning	With pressurized cab	_____
10.60	Sound Reduction	Sound proof package	_____
10.61	Horn	Operator controlled	_____
10.62	Mirrors	Rear View Mirror(s)	_____
10.63	Fuel Cap	Required: Locking	_____
10.64	Radio	AM/FM/CD	_____
10.65	Seat	Refer to: Ergonomic Specifications	_____

Attachments

10.66	Bucket – C/I Heavy Duty	Approximately 68 inches Width State:	_____
10.67	Snowblower Front Mount, <u>High Flow</u>	Approximately 78 inches Width State: Model/Part Number	_____

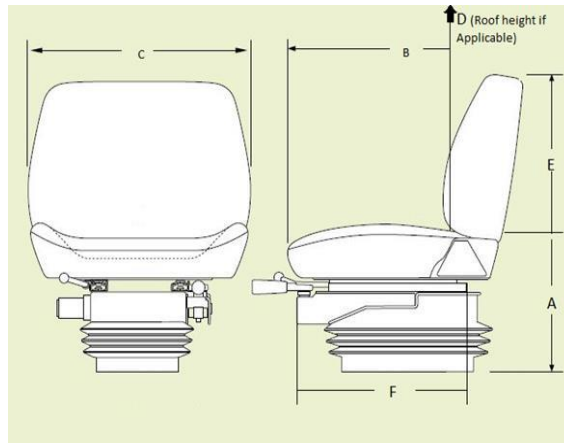
11.0 ERGONOMIC SPECIFICATIONS

Entry/ Exit

11.1	First step entry height	State, height of first step in inches	_____
11.2	First handhold entry height	State, first handhold entry height in inches	_____
11.3	Access to equipment	State, door opening height in inches	_____
11.4	Access to equipment	State, door opening width in inches	_____
11.5	Designed to prevent slipping	Anti-slip steps/handholds (Y or N)?	_____

Seat

11.6 Use diagram to answer questions.



11.7	Sitting Height Range (from floor (where feet rest) (A))	State, seat height range in inches	_____
11.8	Seat Length/Depth (B)	State, seat length/depth in inches	_____
11.9	Seat Width (C)	State, seat width in inches	_____
11.10	Cab Height (from seat to roof (if applicable) (D))	State, cab height range in inches	_____
11.11	Back Rest Height (E)	State, back rest height in inches	_____

- | | | | |
|-------|-------------------------------------|---|-------|
| 11.12 | Seat Travel Range (F) | State , seat travel in inches | _____ |
| 11.13 | Lumbar Support | Is lumbar support provided (Y or N)? | _____ |
| 11.14 | Head Rest | Is head rest provided (Y or N)? | _____ |
| 11.15 | Seat is made of breathable material | State , type of seat material | _____ |

Operation

- | | | | |
|-------|--|--|-------|
| 11.16 | Reaching Distance (to usual work) | State , reaching distance in inches | _____ |
| 11.17 | Maximum Reaching Distance | State , maximum reach distance in inches | _____ |
| 11.18 | Adjustable Pedals (accelerator/brake/clutch) | Are pedals adjustable (Y or N)? | _____ |
| 11.19 | Adjustable Steering Wheel | Is steering wheel adjustable (Y or N)? | _____ |
| 11.20 | Adjustable Shoulder Belt | Is belt adjustable and anchored (Y or N)? | _____ |

Cargo Area

- | | | | |
|-------|-------------------------------------|--|-------|
| 11.21 | Lid opens to provide adequate space | Adequate space provided (Y or N)? | _____ |
| 11.22 | Loading Height | State , trunk height in inches | _____ |

Environment

- | | | | |
|-------|--|---|-------|
| 11.23 | Operator compartment is insulated from equipment noise (while operating) | State , dB inside cab while operating | _____ |
| 11.24 | Operator insulated from equipment vibration | Is operator insulated from vibration (Y or N)? | _____ |
| 11.25 | Heating/Cooling Systems | State , cab temperature range | _____ |
| 11.26 | Cab Lighting | State , lumens inside cab | _____ |

Maintenance/ Inspection

- | | | | |
|-------|--|--|-------|
| 11.27 | Lift Assistance (when necessary) | Is lift assistance provided (Y or N)? | _____ |
| 11.28 | Easy Access (to compartment doors) | Is easy access provided (Y or N)? | _____ |
| 11.29 | Include any other relevant ergonomic specifications and applicable range of adjustment | | _____ |

12.0 **WARRANTY**

12.1 All warranty information shall be detailed and **include all exclusions**. The successful Bidder shall provide all published warranty information upon delivery of the equipment. _____

12.2 The warranty for the **Compact Track Loader** shall cover the complete equipment, and all parts thereof against any defects of workmanship, construction and materials, for a period of 12 months. _____

Any equipment that has become defective during said warranty period and has not proven to have been caused by negligence on the part of the user shall be repaired or replaced at no cost to the City.

The warranty shall be effective from the date the equipment is put into service by the City of Winnipeg.

12.3 Basic Equipment Warranty **State:** _____

13.0 **DELIVERY**

13.1 **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 _____

13.2 **Delivery Time:** **Four (4) – Six (6) calendar weeks or Sooner** from the date of award. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days. _____

13.3 **Delivery Contact:** The Contractor shall contact the Contract Administrator prior to delivery of the equipment. _____

13.4 **P.D.I:** A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list _____

14.0 **MANUALS**

14.1 The manuals supplied under this contract shall cover the complete equipment including all components thereof, CD is preferred where available. _____

14.2 The following manuals shall be supplied with the units when delivered:

c) Operator's Manual – Two (2) per unit. One (1) operator manual shall be sent to the Equipment Operator Training Branch. _____

d) Parts and Service Manuals – One (1) complete set including preventative maintenance schedules. Memory sticks are preferred. _____

15.0 **PARTS/LABOUR PRICING**

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 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

16.1 In order to assure minimum downtime of the Equipment in future service, the Contractor must 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. _____

16.2 The Contractor must 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. _____