## FORM A: BID (See B8)

| 1. | Contract Title                 | SUPPLY AND DELIVER                             | RY OF COMBINATION ROLLE                                    | ERS                |
|----|--------------------------------|------------------------------------------------|------------------------------------------------------------|--------------------|
| 2. | Bidder                         |                                                |                                                            |                    |
|    |                                | Name of Bidder                                 |                                                            |                    |
|    |                                | Usual Business Name of Bido                    | er 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 a                  | applicable)                                                |                    |
|    |                                | The Bidder is:                                 |                                                            |                    |
|    | (Choose one)                   | a sole proprietor                              |                                                            |                    |
|    |                                | a partnership                                  |                                                            |                    |
|    |                                | a corporation                                  |                                                            |                    |
|    |                                | carrying on business un                        | der the above name.                                        |                    |
| 3. | Contact Person                 | The Bidder hereby auth the Bidder for purposes | norizes the following contact p of the Bid.                | erson to represent |
|    |                                | Contact Person                                 | Title                                                      |                    |
|    |                                | Telephone Number                               | Facsimile Number                                           |                    |
|    |                                | Email Address                                  |                                                            |                    |
| 4. | Definitions                    |                                                | sed in the Contract shall ha<br>General Conditions and D3. | ave the meanings   |

| 5.  | Offer                    | The Bidder hereby offers to perform the Work in Contract for the price(s), in Canadian funds, set ou appended hereto.                                             |                       |
|-----|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 6.  | Commencement of the Work | The Bidder agrees that no Work shall commend receipt of a notice of award from the Award Auth commencement of the Work.                                           |                       |
| 7.  | Contract                 | The Bidder agrees that the Bid Opportunity in deemed to be incorporated in and to form a notwithstanding that not all parts thereof are necessaccompany this Bid. | a part of this offer  |
| 8.  | Addenda                  | The Bidder certifies that the following addenda hav agrees that they shall be deemed to form a part of the                                                        |                       |
|     |                          | No Dated                                                                                                                                                          |                       |
| 9.  | Time                     | This offer shall be open for acceptance, binding and period of sixty (60) Calendar Days following the Sub                                                         |                       |
| 10. | Signatures               | The Bidder or the Bidder's authorized official or offic                                                                                                           | ials have signed this |
|     |                          | day of                                                                                                                                                            | , 20                  |
|     |                          | Signature of Bidder or<br>Bidder's Authorized Official or Officials                                                                                               |                       |
|     |                          | (Print here name and official capacity of individual whose signatu                                                                                                | re appears above)     |
|     |                          | (Print here name and official capacity of individual whose signatu                                                                                                | re appears above)     |

|             | F                                          | ORM B (R1)<br>(See E |          |             |               |
|-------------|--------------------------------------------|----------------------|----------|-------------|---------------|
|             | SUPPLY AND DELIVERY OF COMBINATION ROLLERS |                      |          |             |               |
| UNIT        | PRICES                                     |                      |          |             |               |
| ITEM<br>NO. | DESCRIPTION                                | SPEC.<br>REF.        | UNIT     | QUANTITY    | UNIT<br>PRICE |
| 1.          | Combination Roller – 5000 lbs.             | 17019                | Each     | 1           |               |
| 2.          | Combination Roller – 15,000 lbs.           | 17020                | Each     | 2           |               |
|             |                                            | •                    | <b>,</b> |             | •             |
|             |                                            |                      |          |             |               |
|             |                                            |                      |          |             |               |
|             |                                            |                      |          |             |               |
|             |                                            |                      |          |             |               |
|             |                                            |                      | Nam      | e of Bidder |               |

### FORM N (R1): DETAILED SPECIFICATIONS 17019

### Combination Roller - 5000 lbs.

#### 1.0 DESCRIPTION OF EQUIPMENT/APPLICATION

- 1.1 <u>Description-</u> These specifications describe a <u>Combination Roller 5000 lbs.</u> and other equipment and features as specified herein.
- 1.2 The <u>Combination Roller 5000 lbs.</u> shall be a new 2017 model year.
- 1.3 The <u>Combination Roller 5000 lbs.</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 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 **Combination Roller 5000 lbs.** shall comply with the applicable regulations:

Transport Canada, National Safety Mark, NSM: <a href="http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm">http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm</a>

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. |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                                                                                                                                                                                |
|     |                                                                                                                                                                                |
|     | MAKE A MAREL                                                                                                                                                                   |

#### 5.0 MAKE & MODEL

5.1 State make and model of the <u>Combination Roller – 5000 lbs.</u> 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 <u>Combination Roller 5000 lbs.</u>, 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>Combination Roller 5000 lbs.</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 <u>FUEL</u>

8.1 All equipment must be fully fuelled upon delivery (no exceptions).

#### 9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the <u>Combination Roller 5000 lbs.</u> shall have five (5) years continuous experience manufacturing <u>Combination Roller 5000 lbs.</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 **Combination Roller 5000 lbs.** of the type being offered.

## 10.0 **SPECIFICATIONS:**

## **Operating Weight / Speed**

|       | Operating weight / Speed |                                                                       |  |
|-------|--------------------------|-----------------------------------------------------------------------|--|
| 10.1  | Operating Weight         | Approximately 5000 - 6000 lbs. <b>State:</b>                          |  |
| 10.2  | Drum Mass                | State:                                                                |  |
| 10.3  | Drum Width               | Approximately 40 - 50 inches <b>State:</b>                            |  |
| 10.4  | Speed Range              | State:                                                                |  |
|       | <u>Type</u>              |                                                                       |  |
| 10.5  | Combination Roller       | Front Drum, Four (4) Rear Pneumatic Tires                             |  |
| 10.6  | Drum Vibrator            | Switch or Lever Operated                                              |  |
| 10.7  | Drum                     | Pivotal Steering / Offset                                             |  |
| 10.8  | Split Drum               | Preferred: but not required<br>State: Type                            |  |
|       | <b>Engine</b>            |                                                                       |  |
| 10.9  | Engine Make & Model      | State:                                                                |  |
| 10.10 | Engine                   | Tier IV Interim or Final compliant meeting current Emission Standards |  |
| 10.11 | Fuel Type                | Diesel                                                                |  |
| 10.12 | Engine HP<br>(SAE 1995)  | Approximately 25 - 35 HP <b>State:</b>                                |  |
|       | Water Tank / Controls    |                                                                       |  |
| 10.13 | Water Tank               | Corrosion Free with Strainer                                          |  |
| 10.14 | Water Control            | Automatic Water Control (AWC)                                         |  |
| 10.15 | Filters                  | Required for:                                                         |  |
| 10.16 | Sprinkler Timer          | Required:                                                             |  |
| 10.17 | Water Tank Covers        | Lockable                                                              |  |

# **Scrapers**

| 10.18 | Drum Scraper             | Required<br>State Type:                                                                                                            |  |
|-------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------|--|
|       | <u>Safety</u>            |                                                                                                                                    |  |
| 10.19 | Parking/Emergency Brake  | Required:                                                                                                                          |  |
| 10.20 | Brake Release            | Required for towing:                                                                                                               |  |
| 10.21 | Emergency Stop           | Required:                                                                                                                          |  |
| 10.22 | Safety Horn              | Required:                                                                                                                          |  |
| 10.23 | Slow Moving Vehicle Sign | Required:                                                                                                                          |  |
| 10.24 | ROPS                     | Foldable Roll Over Protective Structure                                                                                            |  |
| 10.25 | Seatbelt                 | Required:                                                                                                                          |  |
| 10.26 | Lights                   | <ul><li>Required:</li><li>Warning Lights</li><li>Front &amp; Rear Driving Lights</li><li>Front &amp; Rear Working Lights</li></ul> |  |
| 10.27 | Beacon                   | Required: 360 degree visibility amber beacon/strobe light or equivalent State: Make and Model                                      |  |
| 10.28 | Mirrors                  | Required: Rear View Mirror                                                                                                         |  |
| 10.29 | Back-Up Alarm            | Required:                                                                                                                          |  |
| 10.30 | First Aid Kit            | Required:                                                                                                                          |  |
| 10.31 | Fire Extinguisher        | Required:                                                                                                                          |  |
| 10.32 | Noise                    | Noise Reduction Provisions State:                                                                                                  |  |
|       | Gauges / Lights          |                                                                                                                                    |  |
| 10.33 | Gauges                   | <ul><li>Fuel Gauge</li><li>Volt Meter</li><li>Tachometer</li></ul>                                                                 |  |
| 10.34 | Warning Lights           | <ul><li>Brakes</li><li>Charging</li><li>Engine Temperature</li></ul>                                                               |  |
| 10.35 | Temperature              | <ul><li>Hydraulic Oil</li><li>Engine</li></ul>                                                                                     |  |
| 10.36 | Hour Meter               | Non-resettable                                                                                                                     |  |
|       | <u>Fuel Tank</u>         |                                                                                                                                    |  |
| 10.37 | Capacity                 | Approximately 30 - 50 Litres State:                                                                                                |  |

|       | <u>Batteries</u>                                              |                                               |  |
|-------|---------------------------------------------------------------|-----------------------------------------------|--|
| 10.38 | Battery                                                       | Heavy Duty<br>State: CCA                      |  |
|       | <u>Other</u>                                                  |                                               |  |
| 10.39 | Tool Box                                                      | State: Size and Location                      |  |
| 10.40 | Floor Mat                                                     | Driver Side                                   |  |
| 10.41 | Towing                                                        | Required: Towing Eyelet                       |  |
| 10.42 | Hydraulic Oil                                                 | Preferred - Biological Degradable State type: |  |
| 11.0  | ERGONOMIC SPECIFIC                                            | CATIONS                                       |  |
|       | 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.                              | D (Roof height if Applicable)                 |  |
| 11.7  | Sitting Height Range<br>(from floor (where feet<br>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<br>(from seat to roof (if<br>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                   |  |
|       | <b>Operation</b>                                                         |                                                |  |
| 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<br>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                  |  |
|       | <b>Environment</b>                                                       |                                                |  |
| 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                                          | Is lift assistance provided (Y or N)?                                                              |  |
|-------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------|--|
|       | (when necessary)                                         |                                                                                                    |  |
| 11.28 | Easy Access                                              | Is easy access provided (Y or N)?                                                                  |  |
|       | (to compartment doors)                                   |                                                                                                    |  |
| 11.29 | Include any other relevant ergo                          | onomic specifications and applicable range of                                                      |  |
| 20    | adjustment                                               | sherme opeomeations and applicable range of                                                        |  |
|       |                                                          |                                                                                                    |  |
| 12.0  | MADDANTY                                                 |                                                                                                    |  |
| 12.0  | WARRANTY                                                 |                                                                                                    |  |
| 12.1  |                                                          | e detailed and include all exclusions. The eall published warranty information upon delivery       |  |
| 12.2  | The warranty for the <b>Combina</b>                      | tion Roller shall cover the complete equipment,                                                    |  |
|       |                                                          | ny defects of workmanship, construction and                                                        |  |
|       |                                                          | ne defective during said warranty period and has ed by negligence on the part of the user shall be |  |
|       | repaired or replaced at no cost                          |                                                                                                    |  |
|       | The warranty shall be effective by the City of Winnipeg. | from the date the equipment is put into service                                                    |  |
| 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 freigh                         | nt prepaid, including invoice and N.I.V.S. (if                                                     |  |
|       |                                                          | Fecumseh Street, Winnipeg MB. The successful Contractor Administrator the delivery address         |  |
|       | prior to issuance of the purcha                          |                                                                                                    |  |
| 13.2  | Delivery Time: Ten - Twelve                              | (10 - 12) calendar weeks or Sooner from the                                                        |  |
|       | date of award. Equipment sha<br>Business Days.           | all be delivered between 8:00 am and 3:00 pm on                                                    |  |
| 13.3  | <b>Delivery Contact</b> : The Contra                     | ctor shall contact the Contract Administrator prior                                                |  |
|       | to delivery of the equipment.                            |                                                                                                    |  |
| 13.4  |                                                          | n shall be performed by the Contractor on the                                                      |  |
|       | equipment. Proof upon inspec                             | tion including completed check list                                                                |  |
|       |                                                          |                                                                                                    |  |

| 14.0 | <u>MANUALS</u>                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 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:                                                                                                                                                                                                                                                                                                                                                     |  |
|      | <ul> <li>a) Operator's Manual – Two (2) per unit. One (1) Operator Manual shall be<br/>sent to the Equipment Operator Training Branch.</li> </ul>                                                                                                                                                                                                                                                                          |  |
|      | <ul> <li>Parts and Service Manuals – One (1) complete set including preventative<br/>maintenance schedules. Memory sticks are preferred.</li> </ul>                                                                                                                                                                                                                                                                        |  |
| 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. <b>State percentage discount</b>                                                                                                                                                                                                                                                                                                  |  |
| 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 17020**

#### Combination Roller - 15000 lbs.

#### 1.0 DESCRIPTION OF EQUIPMENT/APPLICATION

- 1.1 <u>Description-</u> These specifications describe a <u>Combination Roller 15000 lbs.</u> and other equipment and features as specified herein.
- 1.2 The **Combination Roller 15000 lbs.** shall be a new 2017 model year.
- 1.3 The <u>Combination Roller 15000 lbs.</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 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 **Combination Roller 15000 lbs.** shall comply with the applicable regulations:

Transport Canada, National Safety Mark, NSM: <a href="http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm">http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm</a>

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 Combination Roller – 15000 lbs. 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 <u>Combination Roller 15000 lbs.</u>, 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>Combination Roller 15000 lbs.</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 <u>FUEL</u>
- 8.1 All equipment must be fully fuelled upon delivery (no exceptions).

#### 9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the <u>Combination Roller 15000 lbs.</u> shall have five (5) years continuous experience manufacturing <u>Combination Roller 15000 lbs.</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 <u>Combination Roller 15000 lbs.</u> of the type being offered.

## 10.0 **SPECIFICATIONS:**

## **Operating Weight / Speed**

| 10.1  | Operating Weight        | Approximately 14000 – 18000 lbs. State:                                            |  |
|-------|-------------------------|------------------------------------------------------------------------------------|--|
| 10.2  | Drum Mass               | State:                                                                             |  |
| 10.3  | Drum Width              | Approximately 58 – 67 inches <b>State:</b>                                         |  |
| 10.4  | Speed Range             | State:                                                                             |  |
|       | <u>Type</u>             |                                                                                    |  |
| 10.5  | Combination Roller      | Front Drum, Four (4) Rear Pneumatic Tires                                          |  |
| 10.6  | Drum Vibrator           | Switch or Lever Operated                                                           |  |
| 10.7  | Drum                    | Pivotal Steering / Offset                                                          |  |
| 10.8  | Split Drum              | Required:                                                                          |  |
|       | <b>Engine</b>           |                                                                                    |  |
| 10.9  | Engine Make & Model     | State:                                                                             |  |
| 10.10 | Engine                  | Tier IV Interim or Final compliant meeting current Emission Standards              |  |
| 10.11 | Fuel Type               | Diesel                                                                             |  |
| 10.12 | Engine HP<br>(SAE 1995) | Approximately 50 – 100 HP <b>State:</b>                                            |  |
|       | Water Tank / Controls   |                                                                                    |  |
| 10.13 | Water Tank              | Corrosion Free with Strainer                                                       |  |
| 10.14 | Water Control           | Automatic Water Control (AWC)                                                      |  |
| 10.15 | Filters                 | <ul><li>Required for:</li><li>Sprinkler System</li><li>Sprinkler Nozzles</li></ul> |  |
| 10.16 | Sprinkler Timer         | Required:                                                                          |  |
| 10.17 | Water Tank Covers       | Lockable                                                                           |  |
|       |                         |                                                                                    |  |

# **Scrapers**

| 10.18 | Drum Scraper             | Required<br>State Type:                                                                                          |  |
|-------|--------------------------|------------------------------------------------------------------------------------------------------------------|--|
|       | <u>Safety</u>            | otate Type.                                                                                                      |  |
| 10.19 | Parking/Emergency Brake  | Required:                                                                                                        |  |
| 10.20 | Brake Release            | Required: for towing:                                                                                            |  |
| 10.21 | Emergency Stop           | Required:                                                                                                        |  |
| 10.22 | Safety Horn              | Required:                                                                                                        |  |
| 10.23 | Slow Moving Vehicle Sign | Required:                                                                                                        |  |
| 10.24 | ROPS                     | Foldable Roll Over Protective Structure                                                                          |  |
| 10.25 | Seatbelt                 | Required:                                                                                                        |  |
| 10.26 | Lights                   | <ul><li>Warning Lights</li><li>Front &amp; Rear Driving Lights</li><li>Front &amp; Rear Working Lights</li></ul> |  |
| 10.27 | Beacon                   | 360 degree visibility amber beacon/strobe light or equivalent <b>State:</b> Make and Model                       |  |
| 10.28 | Mirrors                  | Required: Rear View Mirror                                                                                       |  |
| 10.29 | Back-Up Alarm            | Required:                                                                                                        |  |
| 10.30 | First Aid Kit            | Required:                                                                                                        |  |
| 10.31 | Fire Extinguisher        | Required:                                                                                                        |  |
| 10.32 | Noise                    | Noise Reduction Provisions State:                                                                                |  |
|       | Gauges / Lights          |                                                                                                                  |  |
| 10.33 | Gauges                   | <ul><li>Fuel Gauge</li><li>Volt Meter</li><li>Tachometer</li></ul>                                               |  |
| 10.34 | Warning Lights           | <ul><li>Brakes</li><li>Charging</li><li>Engine Temperature</li></ul>                                             |  |
| 10.35 | Temperature              | <ul><li>Hydraulic Oil</li><li>Engine</li></ul>                                                                   |  |
| 10.36 | Hour Meter               | Non-resettable                                                                                                   |  |
| 10.37 | Tachograph               | Required:                                                                                                        |  |
|       | <u>Fuel Tank</u>         |                                                                                                                  |  |
| 10.38 | Capacity                 | Approximately 120 – 130 Litres State:                                                                            |  |

# **Batteries**

| 10.39 | Battery                                                                                                                                                                             | Heavy Duty<br>State: CCA           |  |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--|
|       | Canopy                                                                                                                                                                              |                                    |  |
| 10.40 | ROPS                                                                                                                                                                                | Required:                          |  |
| 10.41 | Air Filtering System                                                                                                                                                                | Required:                          |  |
| 10.42 | Fresh Air Fan<br>(3-Speed)                                                                                                                                                          | Required:                          |  |
| 10.43 | Interior Light                                                                                                                                                                      | Required:                          |  |
| 10.44 | Noise Reduction                                                                                                                                                                     | Required:                          |  |
| 10.45 | Rear View Mirrors                                                                                                                                                                   | Required:<br>Internal and External |  |
| 10.46 | Safety Glass                                                                                                                                                                        | Required:<br>Tinted                |  |
| 10.47 | Side Windows                                                                                                                                                                        | Required:<br>Open-able             |  |
| 10.48 | Sunscreen                                                                                                                                                                           | Required:                          |  |
| 10.49 | Front Heater                                                                                                                                                                        | Required:                          |  |
| 10.50 | Wiper with Washer (Front and Rear)                                                                                                                                                  | Required:                          |  |
| 10.51 | Working Lights<br>(Front and Rear)                                                                                                                                                  | Required:                          |  |
| 10.52 | Automatic Climate<br>Control                                                                                                                                                        | Required:                          |  |
| 10.53 | Radio with CD Player                                                                                                                                                                | Required:                          |  |
| 10.54 | Roof Hatch Egress                                                                                                                                                                   | Required:                          |  |
|       | Or<br>2 Side Doors Egress                                                                                                                                                           |                                    |  |
| 10.55 | Look-Out Window<br>(Protrusion limits the Roller's<br>capability to operate adjacent to<br>sign poles, street furniture etc. –<br>thereby being not practical in<br>urban settings) | Preferred - Yes or No              |  |
| 10.56 | Seat<br>(Refer to Section 11.0<br>Ergonomic Specifications<br>for more details)                                                                                                     | Preferred: Deluxe seat with:       |  |

|--|

| 10.57 | Tool Box      | State: Size and Location                      |  |
|-------|---------------|-----------------------------------------------|--|
| 10.58 | Floor Mat     | Driver Side                                   |  |
| 10.59 | Towing        | Required: Towing Eyelet                       |  |
| 10.60 | Hydraulic Oil | Preferred - Biological Degradable State type: |  |

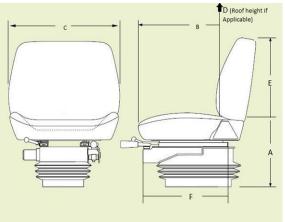
# 11.0 **ERGONOMIC SPECIFICATIONS**

# **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<br>(from floor (where feet<br>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<br>(from seat to roof (if<br>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                   |  |
|       | <b>Operation</b>                                                         |                                                |  |
| 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<br>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 ergo<br>adjustment                            | onomic specifications and applicable range of  |  |

| 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 <b>Combination Roller</b> 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.                                                                                                                                                                                                                                                          |  |  |
|      | Basic Equipment Warranty State:                                                                                                                                                                                                                                                                                                                                   |  |  |
| 13.0 | DELIVERY                                                                                                                                                                                                                                                                                                                                                          |  |  |
| 13.1 | <u>Delivery Point</u> : 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 | <u>Delivery Time</u> : <u>Ten - Twelve (10 - 12) calendar weeks or Sooner</u> from the date of award. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days.                                                                                                                                                                                  |  |  |
| 13.3 | <u>Delivery Contact</u> : The Contractor shall contact the Contract Administrator prior to delivery of the equipment.                                                                                                                                                                                                                                             |  |  |
| 13.4 | <b>P.D.I</b> : 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:                                                                                                                                                                                                                                                                                            |  |  |
|      | <ul> <li>a) Operator's Manual – Two (2) per unit. One (1) Operator Manual shall be<br/>sent to the Equipment Operator Training Branch.</li> </ul>                                                                                                                                                                                                                 |  |  |
|      | <ul> <li>Parts and Service Manuals – One (1) complete set including preventative<br/>maintenance schedules. Memory sticks are preferred.</li> </ul>                                                                                                                                                                                                               |  |  |

| 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.                                                                                                                                                                |  |