

FORM A: BID
(See B8)

1. Contract Title GALVANIZED FRAME RAIL AND REAR DIFFERENTIAL HOUSING REPLACEMENT FOR E-ONE FIRE APPARATUS TRUCKS

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 By submitting a bid in response to this Tender, the Bidder certifies that it has read, understands, and agrees to the terms and conditions of this Tender and that the Tender, 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. Indigenous Self-Declaration The City is requesting that Bidders identify if their business is at least 51% owned by one or more Indigenous persons of Canada.

YES, 51% or more Indigenous ownership

NO, it is not

This information is being gathered for statistical purposes only and will not be used for purposes of evaluation.

11. 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)

GALVANIZED FRAME RAIL AND REAR DIFFERENTIAL HOUSING REPLACEMENT FOR E-ONE FIRE APPARATUS TRUCKS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Galvanized Frame Rail and Rear Differential Housing Replacement for E-One Typhoon Fire Apparatus Trucks	19022	Each	11	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 19022
GALVANIZED FRAME RAIL AND REAR AXLE HOUSING REPLACEMENT FOR E-ONE TYPHOON
FIRE APPARATUS TRUCKS

1.0 DESCRIPTION OF EQUIPMENT/APPLICATION

- 1.1 These specifications describe **Galvanized Frame Rail and Rear Axle housing Replacement** for eleven (11) 2008 E-One Typhoon fire apparatus that require frame rail and rear Differential housing replacement. The successful bidder is responsible for ensuring all installation requirements meet of E-One installation standards and all applicable Canadian Safety Standards and (NFPA 1901) National Fire Protection Association Standard latest revisions
- 1.3 The replacement of all components shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The equipment and associated and 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 Bidders are encouraged to view a 2008 E-One Typhoon fire apparatus prior to submitting a bid. To make an appointment to view the units, contact the Contract Administrator in D4.

2.0 ADDITIONAL WORK

- 2.1 The items outlined in **8.0 Scope of Work** are for award purposes only and shall not be construed to describe the complete work required. Additional work may be required for incidental component replacement and or labour charges while replacing the frame rails and differential housings and shall be performed by the Contractor on a cost plus basis.
- 2.2 Prior to commencement of additional work, the Contractor shall submit a written quotation for the work to be performed, for approval by the Contract Administrator. The written proposal shall consist of a detailed description of the work to be performed, materials required, material costs, hourly shop charge and the total number of shop hours required. The hourly shop charge shall include all applicable local taxes, shop supply fees, etc.

3.0 OTHER SPECIFICATIONS AND STANDARDS

- 3.1 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 3.2 The **Galvanized Frame Rail and Rear Differential Housing Replacement for E-One Typhoon Fire Apparatus** shall comply with the applicable regulations:

(NFPA 1901) National Fire Protection Association Standard latest revisions

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

Manitoba Safety and Health Regulation, Parts 12, 16, 22:
<http://web2.gov.mb.ca/laws/reg/current/217.06.pdf>

Canadian Motor Vehicle Safety Standards C.M.V.S.S.
http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1038/section-sched3.html

PART B - Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker.
<http://web2.gov.mb.ca/laws/reg/index.php?act=h60>

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>.

- 3.3 In Canada, Modification to vehicles can only be done at facilities that are recognized by Transport Canada. All of these facilities must have a National Safety Mark from Transport Canada. Transport Canada National Safety Mark is a label that indicates that the modifications are compliant with all current Canadian Motor Vehicle Safety Standards (CMVSS).

STATE (NSM) # _____

- 3.4 The vehicle shall be complete with a current Manitoba Safety Sticker affixed to the driver's side window.
- 3.5 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.

4.0 SERVICE FACILITY

- 4.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. Further to 9.1, 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.

5.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 5.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.
- 5.2 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 and/or equivalents shall be clearly stated and fully detailed. Deviations and/or equivalents will be considered subject to evaluation. In every instance where a brand name or design specification is used, the City will also consider deviations and/or equivalents.
- 5.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

6.0 PERFORMANCE RELIABILITY

- 6.1 The responsibility for **Galvanized Frame Rail and Rear Axle Housing Replacement for E-One Typhoon Fire Apparatus**, its performance and reliability shall rest upon the Contractor.
- 6.2 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.

- 6.3 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)

7.0 QUALIFICATIONS OF CONTRACTOR

- 7.1 The Contractor of the **Galvanized Frame Rail and Rear Differential Housing Replacement for E-One Fire Apparatus Trucks** and all associated equipment shall have experience installing **Galvanized Frame Rails and Rear Differential housings for Fire Apparatus Trucks**.
- 7.2 The success bidder 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.
- 7.3 The Contractor shall have experience servicing, repairing and maintaining **Galvanized Frame Rails and Rear Differential Housings** of the type being offered.
- 7.4 Contractor shall have Certified EVT Technician(s) to perform the work on the fire apparatus trucks.

8.0 SCOPE OF WORK: FRAME RAIL AND DIFFERENTIAL HOUSING SPECIFICATIONS

- 8.1 The galvanized frame rail and rear Differential housings shall be supplied and installed on the following vehicles: _____

2008 E-One Typhoon Fire Apparatus Trucks

Year / make	Unit number	Designation	VIN#
2008 / E-One	832-9882	E22	4ENRAAA8581003934
2008 / E-One	823-9974	E14	4ENRAAA8781003935
2008 / E-One	823-9976	E13	4ENRAAA8081003937
2008 / E-One	823-9977	E7	4ENRAAA8081003940
2008 / E-One	823-9978	E15	4ENRAAA8281003941
2008 / E-One	832-9884	E25	4ENRAAA8481003939
2008 / E-One	823-9981	E20	4ENRAAA8X81004402
2008 / E-One	823-9980	E16	4ENRAAA8681003943
2008 / E-One	823-9979	E9	4ENRAAA8481003942
2008 / E-One	823-9975	E10	4ENRAAA8981003936
2008 / E-One	832-9883	E17	4ENRAAA8281003938

Frame Rail Replacement

- 8.2 Removal of existing frame rails. 2008 E-One Typhoon Fire Apparatus Trucks shall be disassembled as required for removal of the existing frame rails and replacement with galvanized frame rails _____

8.3	E-One Galvanized frame rails (high strength)	Shall supply and install (OEM) E-One galvanized steel frame rails and cross members designed and constructed to match the GVWR and application of the vehicle (2008 E-One Typhoon fire apparatus). The frame shall be hot dip galvanized prior to assembly and attachment of any components. The components that shall be galvanized shall include: <ul style="list-style-type: none">• Inner and outer frame rails.• Cross members	_____
8.4	Design	Frame rails shall be predrilled for fit with existing components.	_____
8.5	Bolts and fasteners	All bolts and fasteners shall be replaced during installation of the new frame rails.	_____
8.6	Components	Components (mounting brackets, skid plates, battery supports, etc.) shall be inspected for structural integrity prior to being reused. If there is any safety concerns with the components a full report and formal quote shall be provided to the Contract Administrator as per section 2.0.	_____

Rear Differential Housing Replacement

8.7	Removal of rear differential housing	2008 E-One Typhoon Fire Apparatus Trucks shall be disassembled as required for removal of the existing rear differential and replacement.	_____
8.8	Meritor heavy duty rear differential housings	Shall supply a Meritor heavy duty rear differential housing with upgraded E-One spring saddle package. Heavy duty differential housing Part # A3121W2285S.	_____
8.9	Brakes and hardware	Existing rear brake shoes, drums and hardware shall be replaced with new parts. Meritor Rear brake drums Part#3576 Meritor Rear brake shoes Part# 9020RK	_____
8.10	Reuse of Internal differential components	All internal differential components (ring gear, pinion gear, bearings, carrier, axle shafts etc.) shall be inspected and ensured to be within the manufacture's tolerances/specifications and are safe to be reused. If there is any safety concerns with the components a full report and formal quote shall be provided to the Contract Administrator as per section 2.0.	_____

Contractor shall **State**: all warranty information

11.0 **INSTALLATION/DELIVERY**

11.1 **Installation:**

The Contractor shall install galvanized frame rails and differential housings on the fire apparatus trucks specified in section 8.1. The Contractor shall provide a schedule for the frame rail and differential housing during a preproduction meeting.

11.2 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 Contractor shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order

11.3 Delivery Time: Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days

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

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