

2021-11-05

**REQUEST FOR QUOTATION  
PERIMETER FENCE & GATES – PARKING LOT 3  
RFQ 42 (2021-11)  
ADDENDUM #1**

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This addendum shall be incorporated into, and form part of TZC T 42-2021-11 and take precedence over all requirements of the previously issued bid documents including plans. This addendum must be signed by the bidder (signing officer) in the appropriate space and must be attached to the Form for submission by the bidder. This Addendum consists of two (2) pages.

**1. Work Schedule**

**Delete:** The expected date of award is the week of 2021-11-15. Please confirm that you are able to commence the work no earlier than Monday, 2021-11-22, and be completed by Friday, 2021-12- 31.

Contractor will have access to the project site from 0800 hours – 1700 hours (8:00am-5:00pm) daily.

**Add:** The expected date of award is the week of 2021-11-15. Please confirm that you are able to commence the work no earlier than Monday, 2021-11-22, and **be completed by Thursday, 2022-03- 31.** Contractor will have access to the project site from 0800 hours – 1700 hours (8:00am-5:00pm) daily.

**2. 3.1 Scope of Work (Page 9 of 19)**

**Delete:** 3.1.9. Perimeter Fencing – Parking Lot 3

- a. Install perimeter fencing (approximately 2500 linear feet) as described in drawings/specifications.

**Add:** 3.1.9. Perimeter Fencing – Parking Lot 3

- a. Install perimeter fencing (**2500 linear feet**) as described in drawings/specifications.

**3. 4.0 Submission Forms**

**Delete:** 4.0 Submission Forms

**Add:** 4.0 Submission Forms (REV.1)

**4. Master Tender Specification**

**Delete:** Master Tender Specification – Section 02444 – Chain Link Fence – Perimeter Fence 2021-11-01

**Add:** Master Tender Specification – Section 02444 – Chain Link Fence – Perimeter Fence 2021-11-01

Receipt of the Addendum shall be acknowledged as part of your submission.

The Board of Management of the Toronto Zoo reserves the right to reject any or all Tenders or to accept any quotation, should it deem such action to be in its interests.

If you have any queries regarding this matter, please contact Mr. Peter Vasilopoulos, Supervisor, Purchasing & Supply, at 416-392-5916 or by email [pvasilopoulos@torontozoo.ca](mailto:pvasilopoulos@torontozoo.ca).

Yours truly,

Peter Vasilopoulos  
Supervisor, Purchasing & Supply

I/we hereby acknowledge receipt of this addendum and make allowance in my bid.

Signed (Must be Signing Officer of Firm)

Name of Firm

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Date:

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**4.0 SUBMISSION FORMS: (REV. 1)**

I/We, hereby, submit the Quotation and will comply with all terms, conditions, specifications and drawings (when provided) as set out within the Board's Quotation.

I/We, hereby, have received, allowed for and included as part of our submission all issued Addendum numbered \_\_\_\_\_.

This form must be completed, properly signed and received on or before the date and time specified or your Quotation will not be considered. Quotation prices shall remain in effect for a period of ninety (90) days from the Quotation due date.

The Board of Management of the Toronto Zoo reserves the right to reject any or all Quotations or to accept any Quotation, should it deem such action to be in its interests.

By signing and submitting this FORM, you are agreeing to the release of your quotation information, as deemed necessary by the Board, in order to conduct business associated with this quotation or project.

<b>COMPANY INFORMATION</b>	
Company Name:	
Name of authorized Signing Officer	Title:
Signature of authorized Signing Officer:	Date:
Contact Name:	Title:
Address:	
Telephone #:	Fax #:
Email:	Web Site:
HST #:	

#### 4.1 QUOTATION PRICING - LUMP SUM PRICE

DESCRIPTION	Price complete, excluding HST
To provide all labour, tools, materials and equipment necessary to complete the installation of <b><u>perimeter fencing at the Parking Lot 3</u></b> at the Toronto Zoo as specified in the quotation documents, drawings & specifications of the RFQ package.	\$
<b>HST</b>	\$
<b>Total</b>	\$

COMMITMENT TO DELIVER	YES / NO
The expected date of award is the week of <b>2021-11-15</b> . Please confirm that you are able to commence the work no earlier than <b>Monday, 2021-11-22</b> , and be <b>completed by Thursday, 2022-03-31</b> . Contractor will have access to the project site from 0800 hours – 1700 hours (8:00am-5:00pm) daily.	

## 4.2 UNIT PRICES

The following are our Unit Prices for the work listed hereunder. Such work and rates are NOT included in our Lump Sum Price, and to be considered additional to the base scope of work. The non-exclusive individual rates are to include all additional costs associated with mobilization/ demobilization, labour, material, taxes (excluding Harmonized Sales Tax), charges, payroll, burden and profit, etc. to facilitate the work listed below.

DESCRIPTION OF UNIT PRICE WORK		UNIT	ADD	DEDUCT
	Install <b><u>PERIMETER</u></b> fencing at the Toronto Zoo – <b><u>Parking Lot 3</u></b> as specified in the quotation documents, drawings & specifications of the RFQ package.	/LF		

DESCRIPTION OF UNIT PRICE WORK		UNIT	2021 RATE	2022 RATE	2023 RATE
			ADD	ADD	ADD
	Install <b><u>PERIMETER</u></b> fencing at the Toronto Zoo as specified in the quotation documents, drawings & specifications of the RFQ package. <b>(0-100 linear feet)</b>	/LF			

	Install <b><u>PERIMETER</u></b> fencing at the Toronto Zoo as specified in the quotation documents, drawings & specifications of the RFQ package. <b>(101-500 linear feet)</b>	<b>/LF</b>			
	Install <b><u>PERIMETER</u></b> fencing at the Toronto Zoo as specified in the quotation documents, drawings & specifications of the RFQ package. <b>(501-above linear feet)</b>	<b>/LF</b>			
	Install <b><u>CANTILEVERED SLIDE GATE</u></b> – <b><u>22’ OPENING</u></b> at the Toronto Zoo as specified in the quotation documents, drawings & specifications of the RFQ package.	<b>/EA</b>			
	Chief Installer (each) rate for new installation during normal business hours <b><u>Monday through Friday 7:30am to 5:30pm</u></b>	<b>/HR</b>			
	Chief Installer (each) rate for new installation after normal business hours <b><u>Monday through Friday 5:30pm to 7:30am</u></b>	<b>/HR</b>			

	Labourer (each) rate for new installation during normal business hours <b><u>Monday through Friday 7:30am to 5:30pm</u></b>	<b>/HR</b>			
	Labourer (each) rate for new installation after normal business hours <b><u>Monday through Friday 5:30pm to 7:30am</u></b>	<b>/HR</b>			

<b>WARRANTY</b>	<b>Specify</b>
Please confirm one (1) year warranty upon completion of the project.	

<b>DISCOUNT</b>	<b>Discount and/or Other</b>	<b>Days</b>
Discount allowed for prompt payment and period within which invoice must be paid to qualify.	%	
<b>Charity Status:</b> The Toronto Zoo is a registered charitable organization (registration #BN 119216398RR0001) and accordingly may be eligible for preferred pricing which should be reflected in the Quotation as submitted.		

<b>Name of Firm:</b>	
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**MASTER TENDER SPECIFICATIONS**

2021-11-05

**SECTION 02444 – CHAIN LINK FENCING – PERIMETER FENCE**

**PART 1 – GENERAL**

1.1. General

1.1.1. Conform to General Requirements, Division 1.

1.2. Work Included

1.2.1. Do chain link fencing in accordance with Contract Documents.

1.2.2. Provide and install schedule 40, steel pipe posts, 8' high, 6 gauge, 2" (50mm) chain link fabric and manually operated hinged and latched gates to extent indicated. All mesh to be **black vinyl coated**. All posts, rails, steel and hardware to be **black powder coated**.

1.3. Related Work

1.3.1. Cast-In-Place Concrete: Section 03300.

1.4. Quality Control

1.4.1. Company and personnel installing work of this Section shall have a minimum of three (3) years experience in this type of work.

1.4.2. Install chain link fencing in accordance with CAN2-138.3M80 unless otherwise specified hereinafter.

1.5. Submittals

1.5.1. Samples:

1.5.1.1. Submit three (3) samples 12" x 12" in size for review and approval of Consultant. Samples shall show metal wire and wire gauge.

1.5.2. Shop Drawings:

1.5.2.1. Conform to Section 01300.

1.5.2.2. Submit detailed shop drawings of all fencing and horizontal manually operated gates and associated tracks and hardware to Consultant for review and approval prior to commencement of the Work of this Section.

1.6. Warranty

1.6.1. Warranty contained in General Conditions is, with respect to this Section of Work, extended from one (1) year to three (3) years. Without restricting generality of warranty, defects shall include galvanizing of posts, fabric loosening etc.

**MASTER TENDER SPECIFICATIONS**

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**SECTION 02444 – CHAIN LINK FENCING – PERIMETER FENCE**

**PART 2 – PRODUCTS**

**2.1. Materials**

2.1.1. Unless specifically noted on drawings all chain link fencing is to meet the following standards:

2.1.1.1. All mesh to be **black vinyl coated**. All posts, rails, steel and hardware to be **black powder coated**.

2.1.1.2. All terminal posts, gate posts, line posts, top rails, braces and centre rails shall be Schedule 40 pipe. Top rail installed using line post cap. Centre / brace rails installed using rail end caps and centre / brace bands with 5/16" nuts and bolts.

2.1.1.3. Terminal and gate posts to be 3-1/2" O.D., Schedule 40, 3" longer than the height of the fabric.

2.1.1.4. Line posts to be 2-3/8" O.D., Schedule 40 pipe

2.1.1.5. No tubing, conduit or open seam material is to be used. Maximum spacing of line posts to be 10'.

2.1.1.6. Fabric to be installed in the ground 2" with the top 2 x 2 link centered on the top rail.

2.1.1.7. All posts to have concrete footings to minimum of 4'-0" below finished grade. All post footings to be 12" diameter.

2.1.1.8. All fences to have top rail of 1-11/16" O.D., Schedule 40, pipe.

2.1.1.9. All fences to have 6 gauge bottom wire attached with twist ties every 12".

2.1.1.10. For single gate openings up to 10' or double gate opening up to 20', gate posts to be 3-1/2" O.D. For single gates 10' to 14', or double gates 20' to 28', gate posts to be 4-1/2" O.D.

2.1.1.11. All gates to be hinged using three heavy duty, bolted both ends, post collars and 3/4" hinge bolts. Gates to be latched using heavy duty, post collars, frame collars and drop latches.

2.1.1.12. Terminal posts to be topped by 3-1/2" post caps.

2.1.1.13. Where barbed or "hot" wire is to be installed to top of fencing, terminal posts to have 3-1/2" barbed wire arm, line posts to have 2-3/8" barbed wire arm. All

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terminal and gate posts to be secured to fabric with tension bars and 3-1/2" or 4 1/2" tension bands at 16" intervals.

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**SECTION 02444 – CHAIN LINK FENCING – PERIMETER FENCE**

2.1.2. Gates

- 2.1.2.1. Gates to have steel frames 1-11/16" O.D., 2" (50mm), 6 gauge, chain link, with fence fittings for padlock and hinges. Welded on fittings will require prior approval from Zoo staff.
- 2.1.2.2. Tension bar to be 3/16" x 13/16" steel. Fabric fasteners to be single strand, 9 gauge, aluminium "HARD" wire ties, conforming to requirements of fence fabric.
- 2.1.2.3. Fittings and hardware to be galvanized or cast aluminium alloy. Post caps to provide waterproof fit to fasten securely over posts and to carry top rail.
- 2.1.2.4. 2" (50 mm) sphere test chain link fence, top and bottom links centred on pipe, 6 gauge size.

**PART 3 – EXECUTION**

3.1. Installation

- 3.1.1. Install corner posts with tension bars and tension bands where change in alignment exceeds 20°.
- 3.1.2. Install end posts at end of fence and at buildings. Install gate posts on both sides of gate openings.
- 3.1.3. Place posts in the holes then embed posts in concrete to minimum 3'-6" depth. Top of concrete 6" down from finished grade. Post holes should be square sided to discourage frost interference. Brace to hold posts in plumb position and true to alignment and elevation until concrete has set.
- 3.1.4. Do not install fence fabric until concrete has cured a minimum of 5 days or until concrete has set to hold the force being applied by the attachment of the fabric.
- 3.1.5. Install a brace, using the appropriate fittings, between top of terminal and gate posts and the bottom of the nearest line post. Install braces on both sides of corner and straining posts in similar manner. Install 1-11/16 O.D., Schedule 40 galvanized.
- 3.1.6. Where necessary a welded both ends angle brace that runs from the top of the terminal or gate post to the bottom of the adjacent line post may be required. To be determined and entered into the specification list for that particular contract.
- 3.1.7. Install top rail over line posts and fasten securely to end posts with water proof caps.

**MASTER TENDER SPECIFICATIONS**

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**SECTION 02444 – CHAIN LINK FENCING – PERIMETER FENCE**

3.1.8. Lay out fence fabric. Stretch tightly to tension recommended by manufacturer and fasten to end, corner, gate and straining posts with tension bar secured to post with tension bands, spaced at 16" intervals and 5/16" nuts and bolts.

3.1.9. Secure fabric to top, centre and brace rails and line posts with tie wires at 12" intervals, using 9 1/2" long x 9 gauge aluminium "HARD" tie wires minimum 1 1/2 twists. per end are required.

3.2. Gates

3.2.1. Install manually operated hinges and latches in a rigid and secure manner complete with all necessary associated hardware.

3.2.2. Set gate bottom approximately 2" above ground surface.

3.2.3. Adjust hardware and gates to operate smoothly to Consultant's approval.

3.3. Fabric Extensions

3.3.1 Using pipe extend terminal, gate and line posts as required to re-establish minimum 8' height using an internal pin support that closely matches the interior diameter of the existing post and the added extension post.

3.3.2 Internal pin should extend 12" into both the existing post and the added extension and be held in position by spot welds in drill holes through the exterior layers of pipe.

3.3.3 The joint between the extension and the existing pipe shall be fully welded and water tight around its circumference.

3.3.4 After welding joints will be painted with a galvanizing paint.

3.3.5 Additional 6 gauge 2" (50mm) weld mesh will be added allowing for a minimum 2" over lap over the existing fabric and attached to a 6 gauge bottom wire secured by twist ties every 12" that bind the two mesh fabrics and the added bottom wire together.

3.3.6 Termination posts for extensions should match existing post diameter and braced to the nearest line posts. Braces run from the top of the termination post to bottom of the nearest line post, using 1 11/16" diameter pipe, brace bands and rail end caps.

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3.4 Additional Fabric Support

- 3.4.1 Dig soil around existing fabric and re-attach same to existing posts with wire ties and bottom wire as previously described.
- 3.4.2 Where indicated install additional line posts in line with and centred between existing posts attached as previous described.
- 3.4.3 All additional posts to be attached to the head-rail, bottom wire and tied as per previous instructions.

3.5 Clean-Up

- 3.5.1 Promptly as the work proceeds and on completion, remove all rubbish and debris from the building site, resulting from the foregoing work. Level ground and remove excess soil.

**END OF SECTION**