



The Corporation of the Town of Essex

Request for Tender RFT-ID-23-014

Supply of Backhoe Loader (Environmental)

Date of Issue: April 12, 2023

Closing Information:

Date: April 26, 2023
Time: 3:00:00 p.m. Local Time
Location: 33 Talbot Street South
Essex, Ontario N8M 1A8

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1. Introduction

1.1. Background Information

The Town of Essex is located in southwestern Ontario, approximately 28 kilometers southeast of the City of Windsor and is one of seven lower-tier municipalities in the County of Essex. The Town of Essex consists of four distinct and unique centres - Essex Centre, Harrow Centre, McGregor Centre and Colchester Centre. The population of the Town of Essex is 20,427.

The Town of Essex is updating and adding to its vehicle fleet. As a result, the Town is interested in purchasing one Backhoe Loader, to be utilized by the Infrastructure Departments.

2. Tender Process

2.1. Closing Date and Time

Tenders shall be submitted prior to or by **Wednesday, April 26, 2023, at 3:00:00 p.m.** local time. Any bids received after the specified closing date and time will not be considered.

2.2. Opening of Tenders

A public opening of Tenders will take place **Wednesday, April 26, 2023, at 3:15:00 p.m.** local time, at the Essex Municipal Offices, Council Chambers, at 33 Talbot Street South, Essex, Ontario.

Due to COVID 19, beginning April 8, 2020, the Town of Essex will live stream all public opening of tenders on our YouTube channel at:

youtube.com/EssexOntario

Live streams will start 5-10 minutes before the start of the opening process. The tender opening process will also be recorded and posted on the above YouTube channel.

2.3. Corporate Contact

Additional information regarding this Request for Tender can be obtained by contacting the following person by fax or email:

Jackson Tang, Assistant Manager, Business Services

Fax: 519-776-7171

Email: jtang@essex.ca

Contact with Town of Essex officials or Town of Essex staff other than the staff member named as the contact on this Request for Tender is not permitted and will be considered grounds for disqualification in the bidding and selection process.

2.4. Tenders to Remain Open

Tenders will be held open by the Town for a period of no greater than ninety days for full review and awarding. Should the Town require an extension past the ninety-day period; each submitted bidder will be notified of an extension.

2.5. Cancellation

The Town of Essex in its sole and unfettered discretion, reserves the right to change the dates, schedules and deadlines set out in this Request for Tender or to change the Scope of Work, or to cancel this Request for Tender without stating any reasons therefor.

2.6. Freedom of Information

The tenderer hereby consents to disclosure of its information contained in this Tender submission, pursuant to The Municipal Freedom of Information and Protection of Privacy Act, Revised Statutes of Ontario 1990, Chapter M. 56.

2.7. Confidentiality

The Town of Essex and the tenderer agree that the content of each response to this Request for Tender will be held in the strictest confidence, and details of any response will not be discussed with any other party. By submitting a response

to this Request for Tender, each tenderer agrees not to disclose, at any times, these details. Only information subject to the Freedom of Information and Privacy Act may be disclosed. The Town agrees to notify the tenderer should a request for information be received.

3. Accessibility for Ontarians with Disabilities Act

The selected tenderer shall comply with all applicable provisions of Accessibility for Ontarians with Disability Act.

Information on accessible customer service training is available online from the Ministry of Community and Social Services at

www.mcsc.gov.on.ca/en/mcsc/programs/accessibility/customerService/

4. Employees

In the performance of the scope of work of this Request for Tender, the successful tenderer shall be an independent General Contractor. Neither the successful tenderer nor any of their employees shall be deemed to be employees of the Town of Essex.

5. Costs Incurred by Tenderer

Except as expressly and specifically permitted in the Request of Tender documentation, no tenderer shall have any claim for any compensation of any kind whatsoever, because of participating in the Request for Tender, and by submitting a tender each tenderer shall be deemed to have agreed that it has no claim. Any and all expenses involved either directly or indirectly due to the preparation and submission of a tender in response to this Request for Tender or any work performed in connection thereof shall be borne by the tenderer.

6. Conflict of Interest

Tenderers participating in this Request for Tender process shall disclose, prior to entering into an agreement, any potential conflict of interest. If such a conflict exists, the Town of Essex may, at its discretion, withhold the award of the contract from the tenderer until the matter is resolved.

7. Tender Submissions

Submissions shall be in letter form and must, at a minimum, address the scope as set out in this Request for Tender under section 8 and all mandatory requirements as set out in sub-section 21.4.

All tenderers should carefully review this Request for Tender for errors or questionable matter. Comments or the need for clarification must be made in writing as requested in this Request for Tender. Disputes based on any omission or error, or on the content of the solicitation, will be disallowed if these faults have not been brought to the attention of the Town of Essex as per the terms set out in this Request for Tender.

The tender submission should be clear, concise and complete. The Town of Essex shall have the sole, final decision in the selection process.

Additionally, please provide an electronic version in a Microsoft Office compatible electronic format on a standard jump-drive. If there is any discrepancy between the electronic version and the original hard copy, the "original" hard copy shall take precedence.

The Town of Essex reserves the right to make additional copies of all submissions for its internal review process and to provide such copies to its staff and external advisors, as it deems necessary.

8. Scope of Work

The Town of Essex is seeking Tenders for the supply of a Backhoe Loader. The qualified tenderer shall submit the Tender based on the specifications outlined in Appendix D.

The Town of Essex is part of the Broader Public Service of the Province of Ontario and as such is entitled to the Concessions (Discounts) as arranged by the Ministry of Government Services under V.O.R. OSS074423.

9. Deletion of Work

The tenderer shall take note that the Town of Essex reserves the right to delete any portion of the work for its own interest. The tenderer shall further take note that any such deletion of any part of the work shall not invalidate the Tender. The successful tenderer shall enter into a satisfactory Contract and otherwise comply with all of the

requirements of the Contract Documents for any portions of the work remaining to be done after any such deletions.

10. Insurance

10.1. Insurance Coverage

The successful tenderer shall procure and maintain Comprehensive General Liability insurance in accordance with this section. The successful tenderer shall file with the Town of Essex, together with the signed contract, prior to the start of any work, a copy of the policy of Comprehensive General Liability Insurance clearly stating that the Comprehensive General Liability Insurance complies with all the requirements of the signed contract. Insurance shall be obtained from a company satisfactory to the Town of Essex.

The successful tenderer's policies of insurance shall cover the successful tenderer itself (the General Contractor and all sub-General Contractors) and shall name the Town of Essex additional insured. All insurance shall remain in effect for the periods indicated in this contract.

The Comprehensive General Liability Insurance shall:

- (a) Have a limit of liability not less than \$2,000,000 inclusive for any one occurrence;
- (b) Include insurance against liability for bodily injury and property damage caused by vehicles or equipment owned by the General Contractor;
- (c) Be endorsed to provide that the policies will not be altered, cancelled or allowed to lapse without thirty days written notice to the Town of Essex; and
- (d) Name the Town of Essex including its' officers and employees while performing their duties on behalf of the Town of Essex as additional insured's under the policy.

The successful tenderer shall pay for all premiums and expense incurred as a result of such insurance.

10.2. Proof of Insurance

Proof of such insurance is to be submitted and filed at the Town of Essex Municipal Office before commencing any work and annually thereafter.

11. Employment Insurance and Workplace Safety and Insurance Act

The successful tenderer shall, at all times, pay or cause to be paid any assessment or compensation required to be paid pursuant to the Workplace Safety and Insurance Act. The successful tenderer shall, at the time of entering into a contract with the Town, provide to the Town satisfactory proof that all assessments or compensation payable to the Board have been paid and the Town may, at any time during the performance or upon the completion of such contract, require a further declaration that such assessments or compensations have been paid.

A current and valid Certificate of Clearance shall be submitted upon confirmation of a bidder being awarded and accepting the job. The successful tenderer, during the term of the contract, is to provide the Town with any renewed or updated Certificate of Clearance. The Town of Essex will not accept responsibility for obtaining from or on behalf of a successful bidder a current Certificate of Clearance. The successful tenderer clearly understands and agrees that it is their responsibility to maintain and provide a Certificate of Clearance in good standing to the Town throughout the full term of the contract.

The successful tenderer clearly understands and agrees that they are not, nor is anyone hired by the successful tenderer, covered by the Town of Essex under the Workplace Safety and Insurance Board, the Unemployment Act, or any Act, whether Provincial or Federal, in respect of the successful tenderer, their employees and operations, and shall upon request furnish the Town of Essex with such satisfactory evidence that they have complied with the provisions of any such acts.

If the successful tenderer fails to do so, the Town of Essex shall have the right to withhold payments of such sum or sums of money due to them that would be sufficient to cover their default and the Town of Essex shall have the right to pay same. Information on coverage under the Workplace Safety and Insurance Act can be obtained directly from the Workplace Safety and Insurance Board. The Town of Essex is not to be deemed the employer or the supplier of the successful tenderer's personnel under any circumstances whatsoever.

12. Health and Safety

12.1. The Occupational Health and Insurance Act

The successful tenderer shall comply with all conditions and regulations of the Occupational health and Safety Act and all applicable regulations and amendments thereto, any other Federal or Provincial Statute or Local By-Law concerning safety or any other phase of his work on this contract.

In order to avoid any misunderstanding as to the nature of the work to be performed herein, the successful tenderer, by executing the Contract unequivocally acknowledges that they are the "Constructor" within the meaning of the Occupational Health and Safety Act.

The successful tenderer acknowledges by way of submitting a Tender that they are the Constructor as defined by the Occupational Health and Safety Act.

The successful tenderer will agree to take full responsibility for any Health and Safety violations as well as the cost to defend such charges as a result of any violation.

13. Ability and Experience of Successful Tenderer

The successful tenderer must submit satisfactory evidence that they have the ability and experience for this type of product and that they have the necessary plant and capital to enable them to proceed and complete the work in a satisfactory manner.

The Town of Essex may investigate as it deems necessary to determine the ability of the tenderer to perform and the tenderer shall furnish the Town of Essex all such information and data for this purpose as the Town of Essex may request. The Town of Essex reserves the right to reject any tender if the evidence submitted by or investigation of such tenderer fails to satisfy the Town of Essex that the tenderer is qualified to carry out the obligations of the contract.

14. Sub-Contractors and/or Suppliers

If the tenderer proposes to use an alternate product or Sub-Contractor for any part of the work, he shall request approval in writing from the Town. The Town reserves the right at any time to object or refuse to accept any Sub-Contractor or Supplier's product

for inclusion in the work, and the Town shall not be required to give any reason for such objection or refusal. No substitute for any Sub-Contractors shall be allowed without written approval from the Town of Essex.

Nothing contained in the Contract Documents shall create any contractual relationship between any Sub-Contractor and the Town of Essex. Should the successful tenderer be requested to change its Sub-Contractor, the Town of Essex will not be responsible for any additional costs incurred by the successful tenderer as a result of this request.

15. Reservation of Right

Tenderers will not have the right to change conditions, terms or prices of the Request for Tender once the tender has been submitted in writing to the Town, nor shall tenderers have the right to withdraw a Tender once it has been submitted.

16. Addenda

The Town of Essex may, at any time prior to the closing date, issue addenda correcting errors, discrepancies or omissions in the Request for Tender, or clarifying the meaning or intent of any provision therein. Any addenda issued after the posting of this Request for Tender will be published on the Town's website at www.essex.ca and Merx up to and including the closing date as indicated in Section 2. It is the sole responsibility of the tenderer to review and respond to published addenda issued following the issuance of this Request for Tender in their submissions.

If addenda are issued prior to three days of closing this Request for Tender, the closing date of this Request for Tender may be adjusted accordingly.

The following apply regarding any request for clarification of any aspect of the Request for Tender:

- (a) Tenderers must submit requests for clarification by fax or email to the Request for Tender Corporate Contact, or as may otherwise be directed by the Request for Tender Corporate Contact.
- (b) In submitting a request for clarification, a tenderer must include its address, telephone number, facsimile number and email address.

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- (c) Where a question relates to a specific section of this Request for Tender, reference should be made to the specific section number and page.
- (d) Requests for clarification must be submitted on or before **April 20, 2023**.

The Town of Essex will provide tenderers with written responses to questions that are submitted in accordance with the above mentioned. Questions and answers will be distributed in numbered addenda to bidders by posting such addenda on the Town's website at www.essex.ca and Merx. In answering a bidder's questions, The Town of Essex will set out the question(s), but without identifying the tenderer that submitted the question(s) and may, in its sole discretion:

- (a) edit the question(s) for clarity;
- (b) exclude questions that are either unclear or inappropriate; and
- (c) answer similar questions from various tenderers only once.

Where an answer results in any change to the Request for Tender, such answer will be formally evidenced through the issue of a separate addendum for this purpose.

17. Pricing to Remain Firm

Pricing provided under this Request for Tender shall remain firm for a period of Ninety days from the date of closing this Request for Tender.

18. Harmonized Sales Tax

Changes in taxes due to the introduction of the new Harmonized Sales Tax became effective July 1, 2010. Successful tenderer will be required to provide invoices that meet the Town's reporting and information requirements as it pertains to the Harmonized Sales Tax.

19. Measurement of Payment

The Town of Essex shall pay to the Supplier all amounts in Canadian funds net thirty (30) days from invoice receipt or satisfactory delivery of goods or services, whichever is later, unless otherwise noted on the Purchase Order.

20. Procurement Policy By-Law / Governing Law

Tenders will be called, received, evaluated, accepted and processed in accordance with the Town's Procurement and Purchasing Policy By-Law Number 1043 or latest edition. By submitting a Tender for this subject, the Tenderer agrees to be bound by the terms and conditions of such By-Law and any amendments thereto, as fully as if it were incorporated herein.

Any Contract resulting from this Request for Tender shall be governed by and interpreted in accordance with the laws of the Province of Ontario.

21. Method of Submission

21.1. General Requirements

Tenders must be submitted in a sealed envelope by way of hand delivery, courier service, or mail. All Tenders submitted under Request for Tender RFT-ID-21-001 must be clearly marked as follows:

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Attention: Jackson Tang, Assistant Manager, Business Services
Corporation of the Town of Essex
33 Talbot Street South, Essex, Ontario N8M 1A8

Faxed or e-mailed Tenders provided by any tenderer will be a breach of the Request for Tender and will result in the total rejection of any bids received, or to be received from such tenderer in any form, under this Request for Tender.

21.2. Delivery of Tenders

Tenders delivered through a Courier Service shall be the responsibility of the tenderer and shall result in the submission being rejected where:

- (a) The Tender is delivered to a location other than that stated on the label provided by the Owner;

- (b) The Tender Envelope/Package enclosed in the Courier Envelope does not state "Tender Documents Enclosed" and is not removed from the Courier's Envelope prior to the closing date and time; and/or
- (c) The Tender is delivered later than the closing date and time.

21.3. Submission Labels

The tenderer delivery label as supplied in Appendix E, by the Town of Essex, as part of this Request for Tender and identified in Section 21.4 Mandatory Requirements, must be affixed to the outside of the tenderer's envelope without any extra covering.

For Courier delivered documents, tenderers shall ensure that the tender response is enclosed within a separate envelope inside the Courier packaging with the tenderer delivery label affixed to the exterior as identified above.

21.4. Mandatory Requirements

Submissions under this Request for Tender must include all of the following documents in addition to any and all requested documentation as set out within the contents of this Request for Tender. Failure to include any of the following mandatory documents or other documentation as set out within the contents of this Request for Tender, including but not limited to being properly signed/executed, filled out and dated as set forth in each of the individual appendices and statements, will disqualify a tender document submitted in conjunction with this Request for Tender.

- (a) Appendix A - Form of Tender
- (b) Appendix B - Tenderer Identification Sheet.
- (c) Appendix C - Acknowledgement of Tender Documents Received by tenderer and Addenda, duly signed by a person authorized to bind the tenderer organization and affixed with the corporate seal if applicable.
- (d) Appendix D - Specifications
- (e) Appendix E - Tender Submission Label

22. Appendix A – Tender Form

Request for Tender
Supply of Backhoe Loader – 2023
(Must be returned with Tender)

Tender By: _____

Address: _____

Phone Number / Fax Number / Email Address: _____

I/We (the tenderer) promise to commence supply by _____
and to diligently perform the work continuously without undue delay and further agree to
complete the work by _____, 2023.

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Item 1: One Backhoe Loader 2023 or Newer

Tender Price: \$ _____

Ontario Motor Vehicle Fee: \$ _____

Harmonized Sales Tax (H.S.T. 13%): \$ _____

Total Tender Price including H.S.T.: \$ _____

Provisional Price Item #1: \$ _____

Provisional Price Item #2: \$ _____

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I/We _____ hereby agree to supply the Town of Essex with the Backhoe Loader per the general specifications enclosed, and hereby agree to supply parts for the Backhoe Loader from: _____

Location of Parts Depot: _____

I/We agree to make delivery of the parts within _____ weeks after the order is placed.

Name of Tenderer: _____

Signing Authority Name (if applicable): _____

Date of Signature: _____

Tenderer or Signing Official Signature _____

I have the authority to bind this Corporation
Corporate Seal (if applicable)

23. Appendix B - Tenderer Identification Sheet
(Must be returned with Tender)

Name of Tenderer/Business: _____

Contact Person's Name: (if applicable) _____

Mailing Address: _____

City and Province: _____

Postal Code: _____

Telephone Number: _____

Facsimile Number: _____

Cell Phone Number: _____

Email Address: _____

Signing Authority Name (if applicable): _____

Tenderer or Signing Official Signature: _____

I have the authority to bind this Corporation
Corporate Seal (if applicable)

24. Appendix C-Acknowledgement of Tender Documents

**Received by Tenderer and Addenda for
Request for Tender
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(Must be returned with Tender)**

By affixing my/our signature below, the Tenderer or authorized agent, hereby acknowledges and confirms the following four paragraphs:

- (a) I/We declare that this tender is made without any connection, knowledge, comparison of figures or arrangements with any other company, firm or person submitting a Tender for the supply of the same goods and services.
- (b) I/We declare that I/We have carefully read this document and have satisfied ourselves as to the nature of the goods and services required and do hereby make our bid to the Corporation of the Town of Essex for the goods and services described herein.
- (c) I/We acknowledge that we have received the following addendum to this Request for Tender and that it is my/our responsibility to ensure that all addenda issued by the Corporation of the Town of Essex has been received.

Number of last addendum _____

Description of last addendum _____

Signing Authority Name (if applicable) _____

Date of Signature _____

Tenderer or Signing Official Signature _____

I have the authority to bind this Corporation

Corporate Seal (if applicable)

25. Appendix D-Specifications

**Request for Tender
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 (Must be returned with Tender)**

| Specifications | Yes | No | Detail |
|--|------------|-----------|---------------|
| Meets all OSHA and EPA Requirements in effect on the date the quotations close and shall have lead free paint | | | |
| The mainframe shall be a one-piece unitized construction for maximum strength | | | |
| Unit shall have four built-in vehicle tiedowns, two in front and two in rear for safe transport between jobs | | | |
| The side plate thickness on the loader boom, backhoe boom and mainframe shall be 4.5 millimeter or greater | | | |
| Machine shall be equipped with an exterior mounted, ground level accessed and lockable storage compartment | | | |
| Replaceable, bolt-on rubber bumpers to protect the grille frame from severe loading applications | | | |

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| GENERAL | | | |
|--|--|--|--|
| Vandal protection shall cover the instrument panel (canopy only). Engine hood, toolbox, hydraulic reservoir, and fuel filter shall be lockable | | | |
| The tilt hood shall have two service positions for easy operation | | | |
| Tilt hood that permits access to the engine with the loader arms raised or lowered | | | |
| An easy-to-read periodic maintenance and grease chart shall be easily accessible on the machine | | | |

| Specifications | Yes | No | Detail |
|--|------------|-----------|---------------|
| Fuel tank capacity shall be no less than 34 gallons (128.7 L) and shall be accessible from the ground and lockable. DEF tank to be no less than 3.6 gallons (13.6 L) and accessible from the ground and lockable | | | |
| Optional factory installed fluid sampling valves will be available | | | |
| Operating weight shall be no more than 17692 lbs (8,025 kg) without optional equipment | | | |
| ENGINE | | | |
| Diesel engine and shall be designed and built by the manufacturer. Specify | | | |

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| | | | |
|---|--|--|--|
| Engine shall have an individually replaceable, wet sleeve cylinder liner design to dissipate heat for reduced ring wear and oil breakdown | | | |
| Engine displacement shall be no less than 4.5 liters (276 cu. in.) | | | |
| Engine net peak power (ISO9249) shall be no less than 103hp (77kW) @ 1600 rpm | | | |
| Daily check points shall be accessible from the right side of the engine and shall be done from ground level | | | |
| Engine shall have a serpentine belt with automatic belt tensioner reducing required maintenance | | | |
| Under-hood engine air cleaner shall be dry type, dual element with evacuator valve, restriction | | | |

| Specifications | Yes | No | Detail |
|--|------------|-----------|---------------|
| sensor and in-cab restriction warning light | | | |
| The backhoe shall have a one-piece tilt hood for easy engine access without having to remove engine side shields | | | |
| Engine shall have no more than 10-micron rated primary fuel filter with water separator | | | |
| COOLING | | | |
| Engine coolant shall be rated to -40 degrees (-40 C) | | | |

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| | | | |
|--|--|--|--|
| The backhoe shall be equipped with and oil-to-water engine oil cooler | | | |
| Unit shall have a coolant recovery tank provided | | | |
| Unit shall have an electronically controlled, variable rate-suction type fan with fan-guard | | | |
| The AC condenser will be swing-out for fast radiator cleanout. Remote mounted transmission and hydraulic coolers will offer better air exchange and fewer stacked cores | | | |
| The hydraulic circuit to be air cooled, the transmission circuit will be water cooled for fast winter warm-up for increased productivity | | | |
| POWERTRAIN | | | |
| The transmission shall be a hydraulically actuated powershift with Autoshift control and a torque converter with maximum transport speed of 25 mph. Clutch free; fully synchronized five forward (automatically shifts between 2 nd and 5 th gear when Autoshift is engaged), three reverse speeds | | | |

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| Specifications | Yes | No | Detail |
|---|-----|----|--------|
| The sealed axle, with no breather, will be mechanical – front-wheel-drive with traction control limited – slip differential with electric on/off control | | | |
| The machine will disengage MFWD in 4 th gear to allow for longer life of tires and drive train but will engage MFWD when brakes are applied for four wheel braking | | | |
| The clutch engaged MFWD can be engaged on the fly during operation | | | |
| The transmission shall be isolation mounted to the mainframe to minimize shock load stress | | | |
| The rear axle shall have a differential lock, electric foot actuated as standard equipment | | | |
| The single electric Transmission Control lever will have gear selection fully integrated in the lever as well as forward, neutral and reverse (FNR power shuttle) | | | |
| Transmission oil cooler shall be provided as standard equipment | | | |
| The backhoe shall have hydrostatic power steering with emergency manual mode | | | |

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| | | | |
|--|--|--|--|
| The machine will have a dial throttle that will allow the operator to drive the machine on cruise control, Upon engagement of the brake pedal, the engine RPM's return to idle | | | |
| The front axle shall have remote grease bank for front axle for easy access | | | |
| The rear axle bearings shall be self-lubricating and shall not need to be greased | | | |

| Specifications | Yes | No | Detail |
|---|-----|----|--------|
| BRAKES | | | |
| The loader backhoe brakes shall be a fully Hydraulic, power assist, multiple disc brakes | | | |
| The parking brake shall be independent of service brakes, spring applied, hydraulically released, wet multi-disk and sealed from water, mud and dust contamination | | | |
| The service brakes shall be inboard, wet-multiple disk, self-adjusting and self-equalizing and hydraulically actuated for a long and trouble-free life, sealed from water, mud and dust contamination | | | |
| LOADER | | | |
| Lift capacity with 1.3 cu yd at full height shall be a minimum of 7,244 lbs (3286 kg) | | | |

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| | | | |
|--|--|--|--|
| Dump clearance @ 45deg. shall be no less than 8ft 10in (2.69m) | | | |
| Digging depth below ground, bucket level shall be no less than 3.3 in (83mm) | | | |
| Bucket breakout force shall be no less than 10,541 lb (46.9kN) | | | |
| Single, greaseless bucket tilt cylinder and bucket level indicator | | | |
| The loader shall have hydraulic self-leveling and bucket-level indicator | | | |
| The loader shall have divergent loader arms for excellent visibility to the bucket | | | |
| For truck loading, the loader arms will have a curved-knee design for loading into the center of the truck bed | | | |

| Specifications | Yes | No | Detail |
|--|------------|-----------|---------------|
| Loader shall have a single cylinder and linkages for tilt and curl on bucket | | | |
| The loader control will be single lever with electric clutch disconnect | | | |
| The loader shall have a nonremovable, hinged loader service lock | | | |
| Loader Attachments | | | |
| Loader bucket to be 1.3 cu yd with bolt on replaceable cutting edge | | | |

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| | | | |
|---|--|--|--|
| Loader Bucket to have Heavy duty lifting eyes | | | |
| Hydraulic quick coupler for bucket, forks, etc. buckets | | | |
| Grease pins in the swing tower to boom base | | | |
| Heavy duty removable forks for hydraulic quick connect | | | |
| BACKHOE BOOM | | | |
| Extendahoe, Outer Box design on the thumb control | | | |
| Pilot Controls | | | |
| Stabilizer Pads -Reversible | | | |
| The backhoe with standard dipperstick digging depth shall be a minimum of 14 ft 2 in (4.32m) | | | |
| The boom lift capacity at ground level shall be no less than 3685 lb (1671 kg) | | | |
| The machine shall be equipped with a lift mode to increase craning capacity | | | |
| Maximum SAE dig depth with optional extendable dipperstick extended shall be no less than 18ft (5.5 m) | | | |
| The lift capacity at full height with standard dipperstick shall be no less than 7415 lb (3364 kg) with lift mode | | | |

| Specification | Yes | No | Detail |
|--|------------|-----------|---------------|
| The swing lock pin shall be stored in the operator's station | | | |

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| | | | |
|---|--|--|--|
| extendible dipperstick shall extend no less than 3ft 6in (1.07 m) | | | |
| The backhoe boom shall be a curved design | | | |
| The backhoe boom shall be a power curve design, hourglass shape for maximum strength and optimized visibility to the work tool | | | |
| Digging force with standard backhoe, bucket cylinder shall be at least 12,356 lb (55.0 KN) | | | |
| The backhoe shall be equipped with a rubber bumper/linkage style boom locks to keep the backhoe from vibrating on the swing frame | | | |
| Unit shall be equipped with pilot backhoe controls with integral pattern select | | | |
| The swing casting shall have dual yokes; on top and the bottom | | | |
| Backhoe Boom Attachments | | | |
| The backhoe buckets supplied shall be heavy duty and shall be quick connect | | | |
| 24" digging bucket, bolt on flare teeth | | | |
| 12" ditching bucket with a bolt on flared teeth | | | |

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| Hydraulic plumbing for future Thumb Attachment | | | |
| OPERATOR ENVIRONMENT | | | |
| Deluxe Cab Package must include: | | | |
| Ride control – factory installed | | | |
| Heater | | | |
| Defroster | | | |

| Specifications | Yes | No | Detail |
|--|------------|-----------|---------------|
| Intermittent wipers front | | | |
| Tinted glass | | | |
| Floor mats | | | |
| Tilt wheel | | | |
| Windshield washer front | | | |
| Sun visor | | | |
| Reduces sound level to 70db (A) | | | |
| Insulation for maximum temperature and sound control | | | |
| Interior dome light | | | |
| Mirror, front and rear | | | |
| Deluxe air suspension – cloth seat – factory installed. | | | |
| Suspended brake pedals | | | |
| Forward/reverse power shuttle lever mounted on steering column | | | |
| Console storage area | | | |

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| Operator warning system that alerts the operator with an audible alarm when the parking brake is applied, and the operator engages the forward/reverse lever | | | |
| Step mounted toolbox | | | |
| Radio AM/FM with premium speakers and blue tooth compatible | | | |
| Dash mounted indicators Specify | | | |
| Easy-to-swing seat to access backhoe controls | | | |
| Audible alarm to alert operator of transmission engagement when swinging seat | | | |
| 1) Backhoe release inside the cab | | | |
| 2) Air conditioning, 100% filtered air, adjustable roof and floor vents | | | |

| Specifications | Yes | No | Detail |
|--|------------|-----------|---------------|
| Unit shall be equipped with isolation mounted modular design ROPS/FOPS canopy and molded roof | | | |
| Access to the cab shall be from the right and left side with protected, wide, rigid, slip resistant steps and ergonomically located handholds. Lockable on each side | | | |
| 3" (76mm) retractable seat belt shall be provided | | | |

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|--|--|--|--|
| Coat hook, built-in beverage holder, operator manual storage compartment, interior rearview mirror shall be provided | | | |
| Machine manufacturer will provide a factory installed onboard security system for total machine integration. System will have the ability to accommodate no less than ten operator codes | | | |
| The monitor system shall have audible and visual warnings: engine air restriction, low alternator voltage, engine oil pressure, hydraulic filter restriction, hydraulic oil temperature, parking brake on/off and low brake pressure. The seat belt will have a visual warning | | | |
| The monitor will have a multilanguage (English and French) digital monitor for diagnostics (including diagnostic messages and fault code readings), calibrations and machine information | | | |

| Specification | Yes | No | Detail |
|---|------------|-----------|---------------|
| The machine will have the option for a cab and air conditioner available from the factory | | | |
| The seat shall be cloth with air suspension. Fully adjustable armrests and lumbar support | | | |

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|--|--|--|--|
| ELECTRICAL | | | |
| The backhoe shall have a 12-volt system with 145 amp alternator | | | |
| Dual maintenance free batteries shall be included, 350-min reserve rated capacity, 1900 CCA with disconnect and jump posts | | | |
| The machine shall have a blade type, multi-fused circuits | | | |
| The starter shall have a bypass start safety cover | | | |
| The cab will be pre-wired for rotating LED beacon and radio-ready | | | |
| Include Beacon kit switch and mount on back of cab | | | |
| Beacon to be SWS 16156 mini bar | | | |
| Unit shall be equipped with 10 LED driving/working lights, (4) front driving/working; (4) rear; (2) side docking lights. | | | |
| Unit shall be equipped with two front and two rear turn signal/flashing and two rear stop and taillights and two rear reflectors | | | |
| Unit shall be equipped with a 5year communication systems that can provide fleet management, logistics and remote diagnostics capabilities | | | |
| Unit shall have a digital display for: engine rpm, engine hours, system | | | |

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| | | | |
|---------------------------------------|--|--|--|
| voltage and hydraulic oil temperature | | | |
|---------------------------------------|--|--|--|

| Specifications | Yes | No | Detail |
|--|------------|-----------|---------------|
| Unit will have a machine security electronic protection system provided through the monitor or sealed switch module | | | |
| The keyless start will have an electric fuel shut-off and ability to have auto shutdown setup in monitor | | | |
| Unit shall be equipped with illuminated electronic gauges with audible warning for: engine coolant temperature, oil temperature and fuel level | | | |
| Interior to have two 12-volt outlets | | | |
| HYDRAULICS | | | |
| Variable flow, axial-piston or tandem | | | |
| Auxiliary backhoe boom directional hydraulics, operated for breaker | | | |
| Auxiliary loader arms have quick connect hydraulic fittings | | | |
| Hydraulic cooler will have an independent reservoir for continuous running of attachments at high ambient outside air temperatures | | | |
| The hydraulic fittings shall have "O"-ring face seal connectors to secure a tight, leak-free seal | | | |

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| Machine shall be equipped with Auto Idle to lower RPM when hydraulics are not active to conserve fuel and reduce noise levels | | | |
| Machine shall be equipped with Economy Mode with dual feature that can be applied to backhoe or loader functions separately or together for improved fuel economy | | | |
| The hydraulic filter shall be no more than 4 micron and will be vertically mounted, spin on design for ease of installation and leak-free replacement | | | |

| Specifications | Yes | No | Detail |
|--|--------|----|--------|
| An automatic bucket return-to dig control will be standard | | | |
| Hydraulic pump shall be 42 gpm (159 L/min) @ 2,200 RPM at 3,625 psi (24 993 kPa) closed center hydraulic pressure compensated load sensing (PSLS), axial piston driven | | | |
| TIRES | | | |
| Michelin XMCL front and Rear | | | |
| Fenders for the front wheels | | | |
| WARRANTY | | | |
| Provide in writing a complete description of warranty | Comply | | |
| The loader backhoe warranty shall include the following: | | | |
| Engine warranty of 5,000 hours | | | |

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| | | | |
|--|--------|--|--|
| Drive train warranty of 5,000 hours | | | |
| Drive train Hydraulic warranty of 5,000 hours | | | |
| All warranty work F.O.B. Town Garage | | | |
| Extended warranty options (specify) | | | |
| DELIVERY | | | |
| Expected Date of Delivery | | | |
| The vendor shall deliver fully serviced, and ready to operate units. This specification lists only the major details of the units. It is the vendor's responsibility to deliver units fully equipped to Town of Essex tender specifications. | Comply | | |
| One (1) complete set of all filters air, fuel, coolant, hydraulic, engine oil, to be supplied with unit on delivery | Comply | | |

| Specifications | Yes | No | Detail |
|--|------------|-----------|---------------|
| Minimum of one day training session(s) on the unit's operation, maintenance, and safety to be provided by the Vendor's competent service person(s) for the Town's operational, mechanical staff, inclusive of the Driver. | Comply | | |
| Supply training prospectus with bid. | Comply | | |
| Vendor's trainer shall be manufacturer certified | Comply | | |

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| | | |
|--|------------|---------------|
| Training session shall at minimum include: <ul style="list-style-type: none"> Operational and safe equipment operations. Operator equipment inspection procedures. Operator environment of cab, instruments, and controls. | Comply | |
| Operational tips and techniques. <ul style="list-style-type: none"> Course to include an evaluation test and manufacturer's issued Operator Familiarization Certification upon successful test completion. | Comply | |
| State maximum effective number of participants for an operator training session. | Specify | |
| MANUALS | | |
| Manuals/CD/keys requirements are listed for EACH unit ordered. | Comply | |
| One (1) set lot , of service and parts manuals for: | | |
| Tractor unit, diesel engine, and attachments | Comply | |
| Two (2) , Operator's manuals | Comply | |
| Specification | Yes | No |
| One (1) enlarged electrical schematic. | Comply | Detail |

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| Provisional Items | |
|---|----------------|
| Specification | Details |
| Item 1#- Hydraulic Thumb Attachment, dealer installed | |
| Item # 2- 36" Ditching Bucket with Cutting Edge | |

26. Appendix E - Tender Submission Label

(Must be returned with Tender affixed to the outside of the envelope)

Tenderer Delivery Label

From: _____

Contact: _____

Telephone: _____

Deliver To:

**The Corporation of the Town of Essex
Request for Tender – Supply of Backhoe Loader (Environmental)
RFT-ID-23-014
Attention: Jackson Tang, Assistant Manager, Business Services
E-Mail: jtang@essex.ca
33 Talbot Street South, Essex, Ontario, N8M 1A8**