

**CITY OF LONGVIEW  
BACKHOE SPECIFICATIONS  
March, 1999**

The backhoe shall be new and unused, the latest model and design of a company regularly manufacturing such equipment, complete in every detail and ready to use. All proposals shall be accompanied by complete manufacturer's specifications covering the equipment offered. Please specify if you do not meet minimum specifications; also specify if you meet or exceed minimum specifications. Failure to completely specify whether or not the equipment being offered meets minimum specifications may result in disqualification of the bid.

**Minimum Specifications:**

**Circle Compliance With Specifications (Yes/No)  
and Provide Any Necessary Explanations:**

**1. ENGINE:**

- A. The engine shall have a 4-cylinder wet sleeve cylinder liner design, turbocharged diesel engine with a minimum 80 net horsepower (kW) @ 2,200 rpm and a minimum 3.9 liter displacement.
- B. The engine shall provide a minimum net torque rating of 250 lb.-ft per S.A.E. J1349, and shall utilize a serpentine belt with automatic belt tensioner. The engine muffler shall be a vertical type, with rain cap or turn-out to prevent water from entering pipe.
- C. The engine shall be equipped with a dual stage dry-type air cleaner with pre-cleaner and restriction indicator. The engine shall also be equipped with a full-flow spin-on engine oil filter.
- D. The engine shall be equipped with a plug-in 1,000-watt electric block heater.

**Complies: Yes/No**

**Explanation:** \_\_\_\_\_

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**2. TRANSMISSION:**

- A. The transmission shall be fully synchronized, utilizing a torque converter drive with four forward and four reverse gears, and shall be equipped with a separate transmission cooler. The transmission shall provide for a minimum forward transport speed of 24 mph. A full-flow spin-on filter shall protect the transmission and converter.

**Optional** pricing is requested for four-wheel drive unit (please include pricing on Bid Submittal Form).

**Complies: Yes/No**

**Explanation:** \_\_\_\_\_

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**3. HYDRAULICS**

- A. The hydraulic system shall be open center, two section gear-type, and shall include a hydraulic oil cooler and a full-flow spin-on filter. At 3,000 psi, the flow shall be a minimum of 36 gpm to the backhoe and 26 gpm to the loader.

**Complies: Yes/No**

**Explanation:** \_\_\_\_\_

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**4. BACKHOE**

- A. The minimum digging depth with standard dipperstick shall be 14 feet 3 inches. The minimum reach from the center of the swing pivot shall be 18 feet 3 inches. The backhoe shall be provided with a 24-inch heavy-duty excavator style-trenching bucket. Bucket rotation shall be a minimum of 180 degrees. *An auxiliary hydraulic valve for use of hydraulic impact hammer shall be installed and plumbed.*

**Complies: Yes/No**

**Explanation:** \_\_\_\_\_

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- B. The backhoe shall be configured with an extendable dipperstick. Please specify the following information for the extendable dipperstick:

Maximum Digging Depth: Retracted: \_\_\_\_\_ Extended: \_\_\_\_\_  
 Reach from center of rear axle: Retracted: \_\_\_\_\_ Extended: \_\_\_\_\_  
 Reach from center of swing pivot: Retracted: \_\_\_\_\_ Extended: \_\_\_\_\_

**5. LOADER**

- A. The loader mechanism shall be permanently attached to the tractor, and shall be furnished with dual loader lift cylinders and a single bucket control cylinder.
- B. The loader shall have a multi-purpose bucket installed, with a minimum heaped capacity of 1.0 cubic yards and a minimum width of 82 inches.
- C. The bucket shall have a bolt-on cutting edge, skid plate, and lift loops.

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**6. OUTRIGGERS**

- A. The transport position overall width of the outriggers shall not exceed tire/wheel width.
- B. The outriggers shall be equipped with combination-style outrigger pads suitable for use on either paved or dirt surfaces.
- C. The outriggers shall be equipped with lockouts on cylinders.
- D. The outriggers shall be individually controlled.

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**7. CAB**

- A. The backhoe shall be equipped with an enclosed ROPS/FOPS certified cab.
- B. The cab shall be furnished with a filtered and pressurized heating and ventilation system, with a 3-speed fan control.
- C. The maximum noise level inside the cab shall be a maximum of 80 dba with the doors closed, measured at the operator's ear level.
- D. The cab shall be equipped with front and rear windshield wipers.
- E. The cab shall be equipped with an interior rear view mirror and dual outside rear view mirrors.
- F. The cab shall be equipped with a heavy-duty suspension seat with a vinyl cover and a minimum 2 inch wide retractable seat belt.

**Optional** pricing is requested for supplying a breathable fabric cover for the seat (please include pricing on Bid Submittal Form).

- G. The cab shall be equipped with grab handles for cab entry on both sides and slip-resistant entry steps for operator safety.
- H. The cab shall be equipped with an interior dome light.
- I. The cab shall be equipped with a rubber floor mat and a headliner.
- J. Windows and doors shall utilize tinted safety glass.

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**8. INSTRUMENTATION & GAUGES**

- A. Instrument panel shall be lighted, and shall include the following gauges:
  - 1. Engine hour meter.
  - 2. Engine tachometer.
  - 3. Engine coolant temperature.
  - 4. Transmission oil temperature.
  - 5. Fuel quantity.
  - 6. Voltmeter/charge indicator.
  - 7. Engine air filter restriction indicator.
  - 8. Hydraulic filter restriction indicator.
- B. Instrument panel shall be equipped with low oil pressure and high coolant temperature warning systems, with both audible and visual indicators.

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**9. ELECTRICAL & LIGHTING**

- A. The electrical system shall be 12-volt, with a minimum 65-amp alternator.
- B. The battery shall have a minimum of 685 CCA.
- C. Lighting shall be provided as follows:
  - 1. Four front and four rear halogen driving/working lights.
  - 2. Turn signals.
  - 3. Brake lights.
  - 4. Four-way flashers.

**10. AXLES & BRAKES**

- A. The front axle oscillation shall be 22 degrees, stop to stop.
- B. The rear axle shall be heavy duty, with planetary final drive assemblies.
- C. The rear axle shall be equipped with a mechanical differential lock, which can be engaged while the machine is in motion. The lock shall be floor mounted on the left (road) side of the cab floor.
- D. The service brakes shall be hydraulically actuated, self-adjusting, wet multi-disc, and shall be located inboard.
- E. The parking brakes shall operate independent of service brakes.

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**11. STEERING**

- A. Front axle steering shall be of hydrostatic power assist design.
- B. Emergency steering system shall comply with S.A.E. J53 dead engine requirements.

**12. TIRES & WHEELS**

- A. Front and rear wheels shall be of a heavy-duty industrial type design, recommended by the American Tire and Rim Association for this application.
- B. Front tires shall be minimum size/capacity of 11L-16, 10 ply rating.
- C. Rear tires shall be minimum size/capacity of 19.5L-24, 10 ply rating.

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**13. ACCESSORIES:**

- A. A 5 lb. fire extinguisher and a 10-unit first aid kit shall be mounted inside the cab at a location that does not interfere with operator controls.
- B. A "Slow Moving Vehicle" sign shall be installed at the rear of the backhoe in an appropriate location.
- C. An O.S.H.A. approved backup alarm shall be installed, and shall be variable/switchable between approximately 90 dba and 112 dba.
- D. A two-beam revolving amber flasher shall be installed on the cab roof.
- E. **Optional** pricing is requested for supplying a quick-connect/disconnect hydraulic breaker hammer attachment, properly sized for the backhoe (minimum 500 ft.-lb. energy per blow, maximum 1,200 ft.-lb. energy per blow). If more than one model/size is available, please include pricing for all applicable models (please include pricing on Bid Submittal Form).
- F. **Optional** pricing is requested for supplying a 12 inch heavy-duty excavator style trenching bucket.
- G. **Optional** pricing is requested for the inclusion of a Ride Control system.

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**14. GENERAL**

- A. A counterweight shall be provided to facilitate smooth drivability when backhoe is being driven at transport speed, as well as for proper hydraulic extension offset.

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**15. TRAINING**

- A. Successful bidder shall provide two hours of on-site operator and maintenance training at the Longview City Shop facilities, located at 254 Oregon Way, Longview Washington.
- B. Training shall be scheduled by the City of Longview, and shall be available immediately upon the backhoe being placed in service.

**16. MANUALS & TECHNICAL SUPPORT:**

- A. Successful Bidder shall provide, at the time of delivery, the following manuals:
  - Two (2) Operator Manuals
  - One (1) Service Manual
  - Wiring Diagrams
  - Valve and Gauge Schematics
  - One (1) Parts Manual
  - Lubrication Charts
  - Plumbing Diagrams

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**17. WARRANTY:**

- A. Specify length of warranty period after delivery against defects due to improper workmanship or materials for all systems, subsystems, and/or components:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- B. Successful bidder shall provide complete warranty procedures for all components, including points of contact.
- C. Warranty repair by the successful bidder or their representative shall be accomplished within five (5) working days after notification. All costs incurred (including towing or transportation) shall be paid by the successful bidder.
- D. If the failure of any system or subsystem causes the failure of another system, the warranty of the original failure shall cover all subsequent failures.

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**18. GENERAL TERMS:**

- A. Final specifications and successful bidder order detail shall be reviewed and agreed upon by the City of Longview prior to actual production. The City of Longview reserves the right to waive, decline, or take exception to any order if specifications are not met, or if changes are not approved prior to production.
- B. Vehicle and related equipment must meet all OSHA, Federal, and State of Washington regulations and requirements.

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**19. OTHER:**

- A. Bid Price shall be F.O.B. Longview, Washington, and shall show sales tax as a separate item.
- B. Bidder shall provide approximate delivery date.

**Complies: Yes/No**                      **Explanation:** \_\_\_\_\_

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**CITY OF LONGVIEW  
BID SUBMITTAL FORM FOR BACKHOE  
March, 1999**

**MAKE AND MODEL INFORMATION:** \_\_\_\_\_

**BID PER BASE SPECIFICATIONS:** \$ \_\_\_\_\_

**REQUESTED/RECOMMENDED OPTIONS (DESCRIBE):**

1. \_\_\_\_\_ \$ \_\_\_\_\_

2. \_\_\_\_\_ \$ \_\_\_\_\_

3. \_\_\_\_\_ \$ \_\_\_\_\_

4. \_\_\_\_\_ \$ \_\_\_\_\_

**OPTIONS SUBTOTAL:** \$ \_\_\_\_\_

**SALES TAX:** \$ \_\_\_\_\_  
**(LOCAL TAX RATE IS 7.6%)**

**TOTAL BID:** \$ \_\_\_\_\_

**APPROXIMATE DELIVERY DATE:** \_\_\_\_\_

**COMPANY NAME & ADDRESS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PERSON COMPLETING BID:**

\_\_\_\_\_  
**TYPED/PRINTED NAME**

\_\_\_\_\_  
**SIGNATURE**

\_\_\_\_\_  
**TITLE**

\_\_\_\_\_  
**DATE**

**PHONE NUMBER:** \_\_\_\_\_

**FAX NUMBER:** \_\_\_\_\_

**COMMENTS/OTHER INFORMATION:**

\_\_\_\_\_  
\_\_\_\_\_



March 18, 1999

To: Specifications Holders

From: Tom Baylis, Fleet Manager  
Fax: (360) 577-4001

**Subject: Addendum 1, Specifications for Backhoe**

Please sign below and fax this cover sheet back to the City of Longview Fleet Manager to verify that you received this cover sheet and it's accompanying 2-page addendum relating to the subject Specifications.

If you have any questions relating to this addendum, please contact me at (360) 577-3368.

The signature below verifies that we received a 3-page fax (2 pages of addendum with a cover sheet) relating to the above subject Specifications.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Date

Thank you for your assistance.

ADDENDUM NO. 1

BID SPECIFICATIONS

**ONE BACKHOE FOR CITY OF LONGVIEW**

To: All Prospective Bidders

This addendum is hereby made part of the bid documents to the same extent as though it were originally included therein.

Issued this 18<sup>th</sup> day of March, 1999

CITY OF LONGVIEW  
Longview, Washington 98632

Bid Opening:  
March 22, 1999  
2:00 p.m.  
Longview City Hall

## Backhoe Specifications

### ADDENDUM NO. 1

The following changes, additions, or alterations to the Bid Specifications are hereby made a part of the requirements and conditions of Addendum No. 1:

Page 3, Item 13, Accessories:

**Optional** pricing is requested for the inclusion of a Ride Control system.

A revised Bid Submittal Form, to allow for inclusion of optional pricing for this item, is attached.

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Tom Baylis, Fleet Manager

CITY OF LONGVIEW  
BID SUBMITTAL FORM FOR BACKHOE  
March, 1999

MAKE AND MODEL INFORMATION: \_\_\_\_\_

BID PER BASE SPECIFICATIONS: \$ \_\_\_\_\_

REQUESTED/RECOMMENDED OPTIONS (DESCRIBE):

- |          |          |
|----------|----------|
| 1. _____ | \$ _____ |
| 2. _____ | \$ _____ |
| 3. _____ | \$ _____ |
| 4. _____ | \$ _____ |
| 5. _____ | \$ _____ |
| 6. _____ | \$ _____ |

OPTIONS SUBTOTAL: \$ \_\_\_\_\_

SALES TAX: \$ \_\_\_\_\_  
(LOCAL TAX RATE IS 7.6%)

TOTAL BID: \$ \_\_\_\_\_

APPROXIMATE DELIVERY DATE: \_\_\_\_\_

COMPANY NAME & ADDRESS:

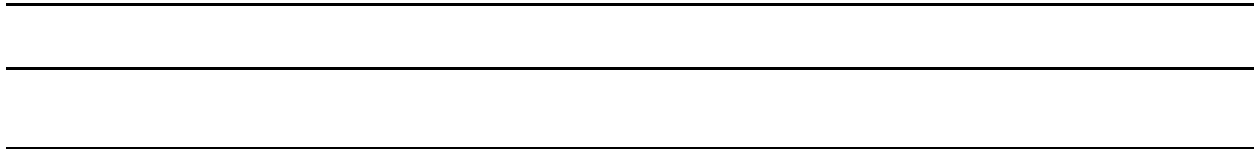
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

<u>PERSON COMPLETING BID:</u>	_____	_____
	TYPED/PRINTED NAME	SIGNATURE
	_____	_____
	TITLE	DATE

PHONE NUMBER: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

COMMENTS/OTHER INFORMATION:



# AGENDA SUMMARY SHEET

## Business of the City Council City of Longview, Washington

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### SUBJECT TITLE:

Bid Review - Street Department Equipment

Agenda Item: \_\_\_\_\_

Dept. of Origin: Equipment Rental

For Agenda of: April 8, 1999

### EXHIBITS:

Call For Bids dated March 1, 1999

*Clearances:*

Originator: Tom Baylis

City Atty Review Necessary? \_\_\_\_\_

Date/Initials of City Attorney: \_\_\_\_\_

### PRESENTED BY:

Edwin R. Ivey, City Manager

Asst. City Manager: \_\_\_\_\_

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### SUMMARY STATEMENT:

Notice of Call For Bids for the budgeted purchase of a Backhoe for the Street Department was published as required. Two bids were received as follows (excluding sales tax):

Hessel Tractor & Equipment Co. - Portland, OR	\$60,061.00
Western Power & Equipment - Portland, OR	\$59,439.00

Amount budgeted: \$68,000.00

Both units meet our minimum specifications. Staff recommends accepting the low bid.

### RECOMMENDED ACTION:

MOTION TO ACCEPT THE LOW BID, AS RECOMMENDED BY STAFF

# CITY OF LONGVIEW

## CALL FOR BIDS

NOTICE IS HEREBY GIVEN that separate sealed bids will be received by the City Manager of the City of Longview, 1525 Broadway, P. O. Box 128, Longview, WA 98632, up until 2:00 p.m., Monday, March 22, 1999, and then publicly opened and tabulated for the furnishing of the following:

**One Backhoe**  
**One 72 Inch Rotary Mower**  
**One 16 Foot Rotary Mower**  
**One 7 Gang Reel Mower**  
**One Turf Utility Truck and Core Conveyor**

Copies of the Specifications for said equipment may be obtained from the office of the Fleet Manager, 254 Oregon Way, Longview, Washington 98632.

All bids shall include the State Sales Tax of 7.6% as a separate item.

All bids shall show the approximate date of delivery.

All bids shall be accompanied by cash, certified check, cashier's check and/or bid bond in an amount equal to at least 5% of the total bid price.

The City Council reserves the right to: reject any and/or all bids; accept the bid deemed in the best interest of the City; waive any informalities in the bidding; delay the award of the bid until the next regular Council meeting.

Bids must sealed with the outside of the envelope marked (as applicable):

**Bid Opening Date March 22, 1999 - One Backhoe**  
**Bid Opening Date March 22, 1999 - One 72 Inch Mower**  
**Bids Opening Date March 22, 1999 - One 16 Foot Rotary Mower**  
**Bid Opening Date March 22, 1999 - One 7 Gang Reel Mower**  
**Bid Opening Date March 22, 1999 - One Turf Utility Truck and Core Conveyor**

Name and address of the bidder should also appear on the outside of the envelope.

For information regarding bid call or bid results, phone (360) 577-3369.

DATED at Longview, Washington this 1st day of March, 1999.

THE CITY OF LONGVIEW

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Jay B. Haggard, City Clerk

Published: March 4th, 1999 and March 11th, 1999