



TOWN COUNCIL – AGENDA REQUEST FORM

THIS FORM WILL BECOME PART OF THE BACKGROUND INFORMATION USED BY THE COUNCIL AND PUBLIC

Please submit Agenda Request Form, **including back up information**, 8 days prior to the requested meeting date. **Public Hearing requests must be submitted 20 days prior to the requested meeting date to meet publication deadlines** (exceptions may be authorized by the Town Manager, Chairman/Vice Chair).

MEETING INFORMATION

Date Submitted: 4/4/2022 Date of Meeting: 4/14/2022
Submitted by: Lori Barrett Time Required: 10 Minutes
Department: Public Works Background Info. Supplied: Yes No
Speakers: Lori Barrett, Kyle Fox

CATEGORY OF BUSINESS (PLEASE PLACE AN "X" IN THE APPROPRIATE BOX)

Appointment: Recognition/Resignation/Retirement:
Public Hearing: Old Business:
New Business: Consent Agenda:
Nonpublic: Other:

TITLE OF ITEM

Request withdrawal from Highway Capital Reserve Fund for purchase of wheeled excavator.

DESCRIPTION OF ITEM

Public Works proposes the replacement of the 2007 Case Backhoe/loader with a 2019 Volvo wheeled excavator for use at the Highway Division. Public Works is requesting that Town Council approve withdrawal of \$143,250 from the Highway Capital Reserve Fund for the purchase.

REFERENCE (IF KNOWN)

RSA: Warrant Article:
Charter Article: Town Meeting:
Other: N/A:

EQUIPMENT REQUIRED (PLEASE PLACE AN "X" IN THE APPROPRIATE BOX)

Projector: Grant Requirements:
Easel: Joint Meeting:
Special Seating: Other:
Laptop: None:

CONTACT INFORMATION

Name: **Lori Barrett** Address: **Public Works**
Phone Number: **423-8551** Email Address: **lbarrett@merrimacknh.gov**

APPROVAL



Town of Merrimack, New Hampshire

Public Works Department
6 Baboosic Lake Road
Merrimack, New Hampshire 03054

TEL: (603) 424-5137
FAX: (603) 424-1408

To: Thomas Boland
Finance Director

Thru: Kyle Fox *KF*
Public Works Director

From: Lori Barrett *LB*
Operations Manager

Date: April 4, 2022

SUBJECT: Request to Purchase Volvo EWR150E wheeled excavator for Highway Division

The Highway Division is requesting permission from the Town Council to withdraw up to \$143,250 from the Highway Equipment Capital Reserve fund for the purpose of purchasing a used 2019 Volvo EWR150E wheeled excavator. The Capital Improvement Plan (CIP) allotted \$140,000 to replace the 15 year old 2007 Case Backhoe.

The Town currently owns two rubber tire backhoe/loaders. The 2021/22 CIP Minor - vehicle equipment replacement plan schedules the replacement of the 2007 Case backhoe (H-13). We are proposing to replace the backhoe with a rubber tire (wheeled) excavator. The excavator provides a tighter turning radius for work on busy roads, allowing for better and safer traffic flow. Unlike the backhoe, the excavator can swing full circle allowing better maneuverability, occupies a smaller work area and workzone, and is more suited to roadside work due to the added capability of the multi-function 'wrist'.

We have reviewed our operations and decided that replacing the Case Backhoe with a wheeled excavator would be beneficial to our job tasks. It provides over the road transport, safer jobsite setup, more diversity in its capability, and improved efficiency in our operations.

Excavator Operation

The current 2007 Case Backhoe is used for the following:

- 1) Loading materials and/or snow;
- 2) Lifting and moving equipment and structures;
- 3) Redefining roadside swales;
- 4) Digging, trenching, and grading

The proposed lightly used excavator will come with an X-18 steelwrist with 59" grade bucket and a 24" dig bucket, two stabilizers and a blade.

Below are pictures of the proposed Volvo wheeled excavator and the current Case Backhoe.

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2007 Case backhoe



2019 Volvo wheeled excavator

Cost Evaluation

The cost of purchasing a new excavator is provided below:

- Volvo – EWR150E – \$230,000
- CAT - M314 - \$250,000
- JCB – HD110W - \$199,390
- Hitachi – HW140 - No new ones anticipated in stock until beginning of next year

Comparison of used Wheeled excavators:

<u>Brand</u>	<u>Year</u>	<u>Model</u>	<u>Hours</u>	<u>Cost</u>	<u>Recommend for Purchase</u>
CAT		M314			No used machines in stock
Hitachi		HW140			No used machines in stock

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<u>Brand</u>	<u>Year</u>	<u>Model</u>	<u>Hours</u>	<u>Cost</u>	<u>Recommend for Purchase</u>
JCB		HD110W			No used machines in stock
Volvo	2019	EWR150E	1400	\$169,250	Yes

The Volvo is in "like new" condition as it was only rented for 1400 hours to the NHDOT. Servicing and full inspection of the excavator was completed after the lease ended. Chadwick-BaRoss would provide a 1 year warranty. They will also take the 2007 Case backhoe as a trade-in for \$26,000 making the total purchase \$143,250.

Recommendation

In addition to the direct savings identified in this memo, vehicles and equipment are currently in short supply. Lead times for new equipment/vehicles may be up to 12 months which will result in the Town being required to spend additional funds to repair the 2007 backhoe and a higher purchase price when new models do become available. Purchasing a used excavator will save the Town the repair costs as we will be able to take possession of the Volvo excavator immediately.

The Highway Division is therefore recommending the purchase of the Volvo at a cost of \$143,250.

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237 Sheep Davis rd
 Concord, NH, 03301

Prepared by: Brett Pomerleau
 Email: bpomerleau@chadwick-ba-ross.com
 Cell: 603-722-4021

MACHINE QUOTE

DATE: 3/22/2022
 QUOTE #
 CUSTOMER ID
 VALID UNTIL: 30 days

CUSTOMER	
Name:	Town of Merrimack Lori
Address:	80 Turkey Hill rd Merrimack NH, 03054
Phone:	603-423-8551

DESCRIPTION	ISSUED	AMOUNT
2019 Volvo EWR150E X-18 steelwrist with 59' grade bucket and 36' dig bkt 1440 hrs 1 year warranty		\$169,250.00
Delivered		
trade in- 2007 Case 590		-\$26,000.00
TERMS AND CONDITIONS		SUBTOTAL \$143,250.00
CUSTOMER ACCEPTANCE SIGNATURE		MA TAX
PRINT NAME	DATE	TOTAL \$143,250.00
		FREIGHT
		TOTAL DUE \$143,250.00

Thank You for the Opportunity to earn your Business