



THE CORPORATION OF THE CITY OF VERNON

MEMORANDUM

TO: Will Pearce, Chief Administrative Officer **FILE:** 5215-06
PC: James Rice, Director, Operation Services **DATE:** August 3, 2022
FROM: Ian Adkins, Manager, Roads Drainage and Airport
SUBJECT: PUBLIC WORKS EXCAVATOR ATTACHMENTS

In 2020 the City's excavator was replaced with one equipped with a quick connect boom for attachments, allowing for the rapid exchange of tools such as, buckets, packers, and breakers. Administration is recommending the purchase of a breaker attachment and tilt bucket attachment for the City's excavator to reduce wear and tear on the excavator and improve efficiency.

The City's excavator is used for a variety of operational tasks including emergency utility repairs, and utility installations. Breaking the surface of an excavation through concrete, asphalt and frozen ground with an excavator bucket can be challenging and time consuming. Using this method also results in excessive wear and damage to the excavator's boom. The use of a breaker attachment (see pic below) would help address this issue.

The City's excavator is also used for road construction and roadside ditching. The bucket that is currently used for this task does not tilt making ditching and sloping difficult. The use of a tilt bucket attachment (see photo below) would significantly improve the efficiency of road construction, sloping and ditching.



Excavator with boom attachment



Excavator with tilt bucket

The estimated cost of both attachments is \$60,000 and could be funded by the 2021 Unexpended Uncommitted remaining balance of \$217,010. Both attachments would be assigned a rental rate and future life cycle replacements would be funded through the Vehicle and Equipment Replacement Reserve.

RECOMENDATION

THAT Council receive the memorandum titled "Public Works – Excavator Attachments" dated August 3, 2022, respectfully submitted by the Manager, Roads, Drainage and Airport;

AND FURTHER, that Council authorize the expenditure of up to \$60,000 for the purchase of an excavator breaker attachment and excavator tilt bucket attachment to be funded from the 2021 Unexpended Uncommitted balance.

Respectfully Submitted,

Ian Adkins

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Ian Adkins
Manager, Roads, Drainage and Airport