

**Date:** July 30, 2024

**To:** **Mayor and Council.**

**Name and title:** Blake McIntosh, Director Civic Operations

**Subject:** Ferguson Lake Road – Washout Repair

**Attachment(s):** None

#### Recommendation(s):

That Council APPROVES the “Ferguson Lake Road – Washout Repair Project” detailed in the report dated July 30, 2024 from the Director of Civic Operations titled “Ferguson Lake Road – Washout Repair” be added to the Financial Plan with a budget of \$430,000 to be funded by the Capital Expenditure Reserve Fund.

#### Purpose:

This report is before Council to provide information on works necessary to repair roadway damage due to a failed culvert crossing on Ferguson Lake Road and seek Council approval to fund the permanent installation of a one-lane bridge structure over the existing creek.

#### Discussion:

On the afternoon of Friday, May 10, 2024, City crews were notified of a drainage washout on Ferguson Lake Road. (Figure 1.) The existing drainage cross culvert could not handle the sudden surge of water that appears to have been generated upstream by a failed dam. As the seasonal creek is considered fish bearing, the immediate re-installation of a cross-culvert was not feasible due to regulatory requirements. To re-open the road as soon as possible, a prefabricated one lane bridge was installed the following day on Saturday, May 11, 2024. (Figure 2.) The bridge is currently in place and is functioning well to provide local access to Ferguson Lake recreational area and the residential properties beyond.

#### Financial Considerations:

In 2020, the City constructed a similar crossing along North Kelly Road. The project consisted of an open bottom cross culvert that met fish bearing regulatory requirements. The cost in today’s dollars would equate to an expenditure of \$870,000. To design, construct and permanently install the current bridge structure, provide temporary egress for the existing residents during construction and meet regulatory requirements, the required budget is \$430,000. Administration is requesting Council approve this amount to be funded from the Capital Expenditure Reserve.

#### Strategic Priorities:

The crossing repair and placement of the new bridge structure supports the myPG goals of Sustainable Infrastructure, Sustainable Fiscal Management and Clean Water.

#### Summary and conclusion:

Administration is requesting funding to install the one lane bridge structure that is currently in place on Ferguson Lake Road. Permits have been approved by the necessary regulatory bodies that will allow for channel works to be completed in support of a permanent installation. This solution requires significantly less funding than a comparable open channel culvert crossing and will still meet fish habitat requirements. Installation will also be more efficient and Ferguson Lake Road access will be reinstated in less time. Budget for this work will be funded by the Capital Expenditure Reserve.

Respectfully submitted:

Blake McIntosh, Director Civic Operations

Approved:

Walter Babicz, City Manager

Meeting date: September 9,2024

Figure 1.



Figure 2.

