

Report to Council



Date: April 16, 2018
File: 0710-60
To: City Manager
From: Rod MacLean, Utilities Planning Manager
Subject: UBCM Community Emergency Preparedness Fund (CEPF) - Structural Flood Mitigation Program Application

Recommendation:

THAT Council receives, for information, the report from the Utilities Planning Manager dated April 16, 2018, with respect to the UBCM Community Emergency Preparedness Fund (CEPF) - Structural Flood Mitigation Program Application,

AND THAT Council authorizes staff to apply for a UBCM CEPF Structural Flood Mitigation grant as outlined in this report,

AND THAT Council authorizes the Mayor and City Clerk to execute the UBCM CEPF Structural Flood Mitigation grant, if the application is successful,

AND FURTHER THAT the 2018 Financial Plan be amended to include the grant funding for the Spencer Road Mill Creek Drainage Improvement Project if the application is successful.

Purpose:

To consider staff's recommendation to apply for a UBCM Community Emergency Preparedness Fund – Structural Flood Mitigation Program Grant.

Background:

Mill Creek (or Kelowna Creek) flows under Spencer Road through a culvert system approximately one kilometre upstream of the Kelowna International Airport. During the 2017 freshet, the high flow event resulted in high water and debris flow that damaged and partially blocked the culverts underneath this roadway. This backed up water flooded a number of homes in this area. The Spencer Road crossing was identified for repair and received emergency funding as part of the 2017 Flood Recovery Program. The culverts are currently being repaired and material removed to their pre-existing condition. Spencer Road is the sole access to a number of homes outside City limits.

City staff have identified an upgrade of the Spencer Road crossing as a high priority. There are concerns that the culvert is now undersized to manage major flood events. This, coupled with potential blockage

with debris flow, would increase the risk of flooding to residences upstream, as well impacts due to a breach to the airport.

As part of the application, the City has completed two recent relevant studies entitled:

- Mill Creek 2017 Flood Recovery Assessment Internal Report by Dobson Engineering Ltd., and
- Spencer Road Culvert Replacement- Design Criteria providing a concept design and costing information for the culvert replacement.

All work will be done with a high sensitivity to fisheries impacts with appropriate mitigation conducted at all times. This will be done by qualified professionals hired as part of the project.

As part of the application process, a Council resolution is required indicating support for the current proposed activities and willingness to provide overall grant management.

Internal Circulation:

Divisional Director, Active Living & Culture
Divisional Director, Corporate Strategic Services
Divisional Director, Infrastructure
Financial Planning Manager
Grants & Special Projects Manager
Infrastructure Engineering Manager
Utility Services Manager

Financial/Budgetary Considerations:

The City is requesting a \$750,000.00 grant from the UBCM Community Emergency Preparedness Fund – Structural Flood Mitigation Program. If the application is successful, the next step would be to prepare the detailed design used to tender the project. Upon completion of the detailed design, if it is determined that the cost of the project will be greater than the grant award, then this project will be advanced to the 2019 budget for Council consideration.

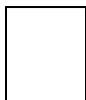
Considerations not applicable to this report:

Existing Policy:
Legal/Statutory Authority:
Legal/Statutory Procedural Requirements:
Personnel Implications:
External Agency/Public Comments:
Communications Comments:
Alternate Recommendation:

Submitted by:

Rod MacLean, P.Eng
Utilities Planning Manager

Approved for inclusion:



A. Newcombe, Infrastructure Divisional Director

Attachment - UBCM Structural Fund Application Presentation

cc: Divisional Director, Active Living & Culture
Divisional Director, Corporate Strategic Services
Divisional Director, Financial Services
Divisional Director, Infrastructure
Financial Planning Manager
Infrastructure Engineering Manager
Utility Services Manager