



Report to: General Committee

Meeting Date: April 8, 2019

SUBJECT:	Flood Control Program - Disaster Mitigation and Adaptation Fund (DMAF)
PREPARED BY:	Prathapan Kumar, Senior Manager, Infrastructure, Ext. 2989 Robert Muir, Manager, Stormwater, Ext. 2894

RECOMMENDATION:

- 1) That the Report entitled “Flood Control Program – Disaster Mitigation & Adaptation Fund (DMAF)” be received; and
- 2) That Council approve the shared funding allocation between the Government of Canada and City of Markham as follows:

Government of Canada Share (40%) (A)	\$48,640,000.00
City of Markham Share (60%) (B)	\$72,960,000.00
Total Funding (C) = (A) + (B)	\$121,600,000.00

- 3) That the Mayor and Clerk be authorized to execute the Disaster Mitigation & Adaptation Fund (DMAF) Agreement (and any related documents), in a form and content satisfactory to the City Solicitor and the Commissioner of Community & Fire Services, and that the Commissioner of Community & Fire Services (or designate) be authorized to act as an authorized signing officer for the City under the Agreement (including for the purpose of submitting required reports and confirmations); and
- 4) That Staff be authorized and directed to do all things necessary to give effect to this resolution.

EXECUTIVE SUMMARY:

Not Applicable

PURPOSE:

The purpose of this report is to inform Council that the City of Markham has been notified that the following three Flood Control Projects have been approved by Infrastructure Canada to receive funding from the Disaster Mitigation & Adaptation Fund (DMAF):

1. West Thornhill Flood Control Implementation – Phases 3 & 4 with the project cost of \$62.5 million;
2. Don Mills Channel with the project cost of \$56.0 million; and
3. Thornhill Community Centre (\$1.1M) and Glynnwood Storm Sewer Upgrades (\$2.0M) with the project cost of \$3.1 million

Markham will receive \$48.64 million of Federal funding over 10 years, which represents 40% of the total project cost of \$121.6 million. Markham’s share will be 60% amounting to \$72.96 million.

BACKGROUND:**Disaster Mitigation & Adaptation Fund (DMAF)**

The Disaster Mitigation & Adaptation Fund (DMAF) is a national, competitive, merit based contribution program that will invest \$2 billion over 10 years to help communities build the infrastructure they need to better withstand natural hazards such as floods, wildfires, earthquakes and droughts. DMAF is part of the federal government's Investing in Canada infrastructure plan, which is providing more than \$180 billion over 12 years for public transit projects, green infrastructure, social infrastructure, trade and transportation routes, and rural and northern communities.

On January 10, 2019, the City submitted an application for DMAF eligible funding for the following three projects:

1. West Thornhill Flood Control Implementation – Phases 3 & 4;
2. Don Mills Channel; and
3. Thornhill Community Centre/ Glynnwood Storm Sewer upgrades

On March 11, 2019, the City was informed by Infrastructure Canada that the above three projects have been approved for funding. Subject to the terms and conditions of the Agreement, the federal government will provide up to a maximum of 40% toward the total eligible costs of the projects. The City is required to contribute the balance of the project cost (60%) as submitted in the application.

OPTIONS/ DISCUSSION:

The City has been informed that the DMAF application for the three Flood Control Projects have been approved for eligible funding. One of the conditions of the funding is that the projects are to be completed within 10 years. This will require the City to advance the completion of the Don Mills Channel, which is currently scheduled for 2030, to 2027. All other aspects of the program schedule are to remain as per the existing implementation schedule.

Flood Control Projects – Implementation Schedule:

Project	Proposed Implementation Schedule
1. West Thornhill	
Phase 3A	2020 - 2021
Phase 3B	2021 - 2022
Phase 3C	2022 - 2023
Phase 4A	2021 - 2022
Phase 4B	2023 - 2024
Phase 4C	2024 - 2025
Phase 4D	2025 - 2026
2. Don Mills Channel	
Property Acquisition	2019
SWM Pond	2021 - 2022
Culverts Upgrade	2023 - 2027

3A. Thornhill Community Centre	
Flood Proofing	2020 - 2021
3B. Glynnwood Storm Sewer Upgrades	2022 - 2025

FINANCIAL CONSIDERATIONS

The total project costs of \$121.6 million for the three Flood Control Projects will be on a cost-shared basis of 40% with the Government of Canada and 60% funded by the City of Markham.

Government of Canada Share (40%) (A)		\$48,640,000.00
City of Markham Share (60%) (B)		<u>\$72,960,000.00</u>
Total Funding (C) = (A) + (B)		\$121,600,000.00

The City's funding portion in the amount of \$72.96 million will be funded from the Stormwater Fee. The DMAF grant will contribute to mitigate larger fee increases for the Stormwater Fee and at the same time accelerate the timelines for key projects.

HUMAN RESOURCES CONSIDERATIONS

Not Applicable

ALIGNMENT WITH STRATEGIC PRIORITIES:

The Flood Control program is aligned with the City's goal to provide better quality services to the public and is consistent with the "Building Markham's Future Together" strategic priority on "Growth Management" and the "Environment" as it considers sustainability on the built environment.

BUSINESS UNITS CONSULTED AND AFFECTED:

The Finance Department has been consulted for both input and review of this report.

RECOMMENDED BY:

Phoebe Fu
Director of Environmental Services

Brenda Librecz
Commissioner, Fire & Community Services

ATTACHMENTS:

None