



Capital Budget Request - CONSTRUCTION

Project Name Flood Mitigation - Construction \$ **143,000,000**

Order Code **600870** **Project Location** Fort McMurray

Project Category Public Safety **Ward** 1 - Fort McMurray

Type of Project New Asset - Construction **Municipal Function** 29 - Other Protective Services

Project Description and Scope

The downtown core of Fort McMurray has a long history of ice jam floods due to the Clearwater/Athabasca River confluence, and more recently experienced an open water flood of the Hanging stone River in 2013. Due to legislative uncertainty, previous flood mitigation work was built to the 1:40 year flood elevation of 248.50 m. To date, flood elevations for Clearwater ice jam floods and Hanging stone open water floods have been found to be comparable for most locations. In late 2016, the GOA confirmed the 1:100 year flood elevation of 250.0 m as the applicable standard. This project upgrades flood mitigation to the higher elevation using a combination of elevated roads, berms, and built up urban areas. As flood mitigation will impact current storm drainage routes, provision of additional storm drainage paths will be included in this project. This is likely (but is not limited to) to take the form of storm sewer lift stations to bypass storm outfalls that close during high water level events on the Clearwater River.

Project Cash Flows

Year	Total Annual Cost	Federal Grant	Provincial Grant	Reserve	Other
2019 & Prior	6,500,000				
2020	5,000,000				
2021	10,000,000				
2022	10,000,000				
2023	10,000,000				
2024	10,000,000				
2025	91,500,000				
Thereafter	-				
Total Budget	143,000,000	-	-	-	-

Additional Funding Details

Business Case created by Maureen Nachonechy

Project Sponsor Branch Engineering

Project Sponsor Department Engineering Services

Project Delivery Branch Engineering

Project Delivery Department Engineering Services