



Capital Budget Request - CONSTRUCTION

Project Name	Flood Mitigation - Construction	\$	117,500,000
Order Code	600870/602035/602036	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 Hangingstone 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 Hangingstone 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. Council recently directed that the 1:200 elevation be used for most areas. 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 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	Debenture
2020 & Prior	11,500,000	-	6,590,000	4,910,000		
2021	43,000,000	3,451,996	5,177,995	34,370,009		
2022	58,000,000	-	-	58,000,000		
2023	5,000,000	-	-	5,000,000		
2024	-	-	-	-		
2025	-	-	-	-		
2026	-	-	-	-		
Thereafter	-	-	-	-		
Total Budget	117,500,000	3,451,996	11,767,995	102,280,009	-	-

Additional Funding Details

Alberta Community Resilience Program (ACRP) = \$6,590,000
Investment in Canada infrastructure Program (ICIP) = \$8,629,991

Business Case created by	<u>Maureen Nachonechy</u>
Project Sponsor Branch	<u>Engineering</u>
Project Sponsor Department	<u>Engineering Services</u>
Project Delivery Branch	<u>Engineering</u>
Project Delivery Department	<u>Engineering Services</u>