



DURHAM

FLOOD AND EROSION INFRASTRUCTURE- PHYSICAL

Pickering Dyke Construction



OVERVIEW

The Pickering Dyke is a frontline defense for neighbourhoods, transportation corridors, and utilities along the shoreline. With the preferred restoration design complete, TRCA is ready to advance reconstruction, a major undertaking to strengthen this essential piece of flood protection infrastructure. Funding partners can play a critical role in moving this project from planning to action.

OBJECTIVES

With design complete, the Pickering Dyke is ready for full reconstruction. Building a modern, climate ready dyke will reduce flood risk, protect shoreline communities and infrastructure, and lower long term maintenance needs. The objective is to deliver a high performing, future ready protection system that safeguards the Pickering shoreline for decades.

BENEFITTING STAKEHOLDERS

- City of Pickering
- Durham Region
- Local residents

EXPECTED IMPACT

- Reduced risk of dike failure during extreme floods
- Increased flood protection

BUDGET & FUNDING

Estimated Total Cost (\$000's): \$10,000

- 20% Engineering
- 80% Construction

Possible Funding Sources:

- Water and Erosion Control Infrastructure Grant
- Disaster Mitigation Action Plan Grant
- Municipal Contributions

OWNERSHIP

- TRCA



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KEY PRIORITIES AND ACTIVITIES TO DATE

Work to Date

- Class Environmental Assessment complete for upgrades.

Key Priority: Flood Protection and Stability Upgrade

Reconstruct and modernize the dike through engineered embankment replacement, controlled construction, and site restoration to meet current safety standards and protect the surrounding community.



High Priority

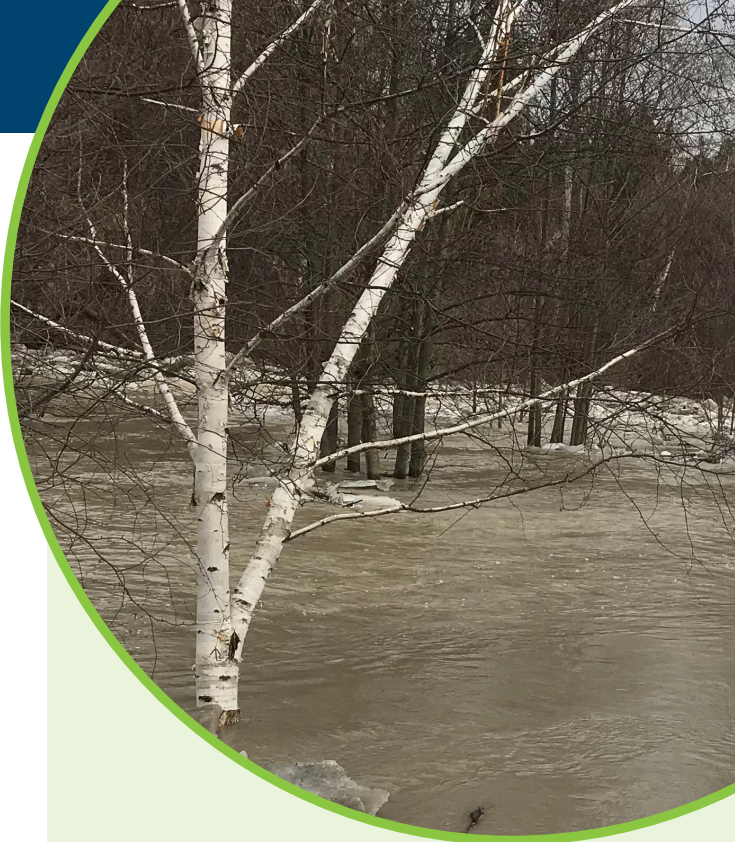
The implementation of the preferred restoration plan for the Pickering Dyke involves developing engineering construction tender documents, finalizing the construction phasing and methodology, executing a sediment and erosion control plan, and maintaining ongoing communication with affected residents. This process will also include the execution of construction activities and subsequent site restoration.

RISKS IF UNFUNDED

Social: Failure of the dike could result in flooding that poses a direct risk to life, property, and community well-being, including displacement of residents and loss of public trust.

Financial / Economic: Unfunded upgrades increase the likelihood of emergency response, property damage, and liability costs that would significantly exceed the cost of planned reconstruction.

Deferred Action Risk: Delaying action allows continued deterioration of the dike, increasing the probability of failure and reducing the effectiveness and feasibility of future remediation efforts.



KEY DATES

- **Possible Start:** TBD
- **Duration:** 4 Years

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