



## COMMUNITY UPDATE:

## CATALINA SEA WALL REPLACEMENT PROJECT:



# HOW IT STARTED:

15<sup>th</sup> Aug 2022, Deputy Mayor Lodge expressed concerns for condition of Catalina Seawall:

- 2 Seawalls in extremely poor condition
- Coastal Erosion will soon cause severe damage to Main Street
- Recommended:
  - An engineering assessment, &
  - A project Cost Analysis



# ENGINEERING ASSESSMENT: DAMAGE MUCH MORE SEVERE THAN EXPECTED:

Main concerns:

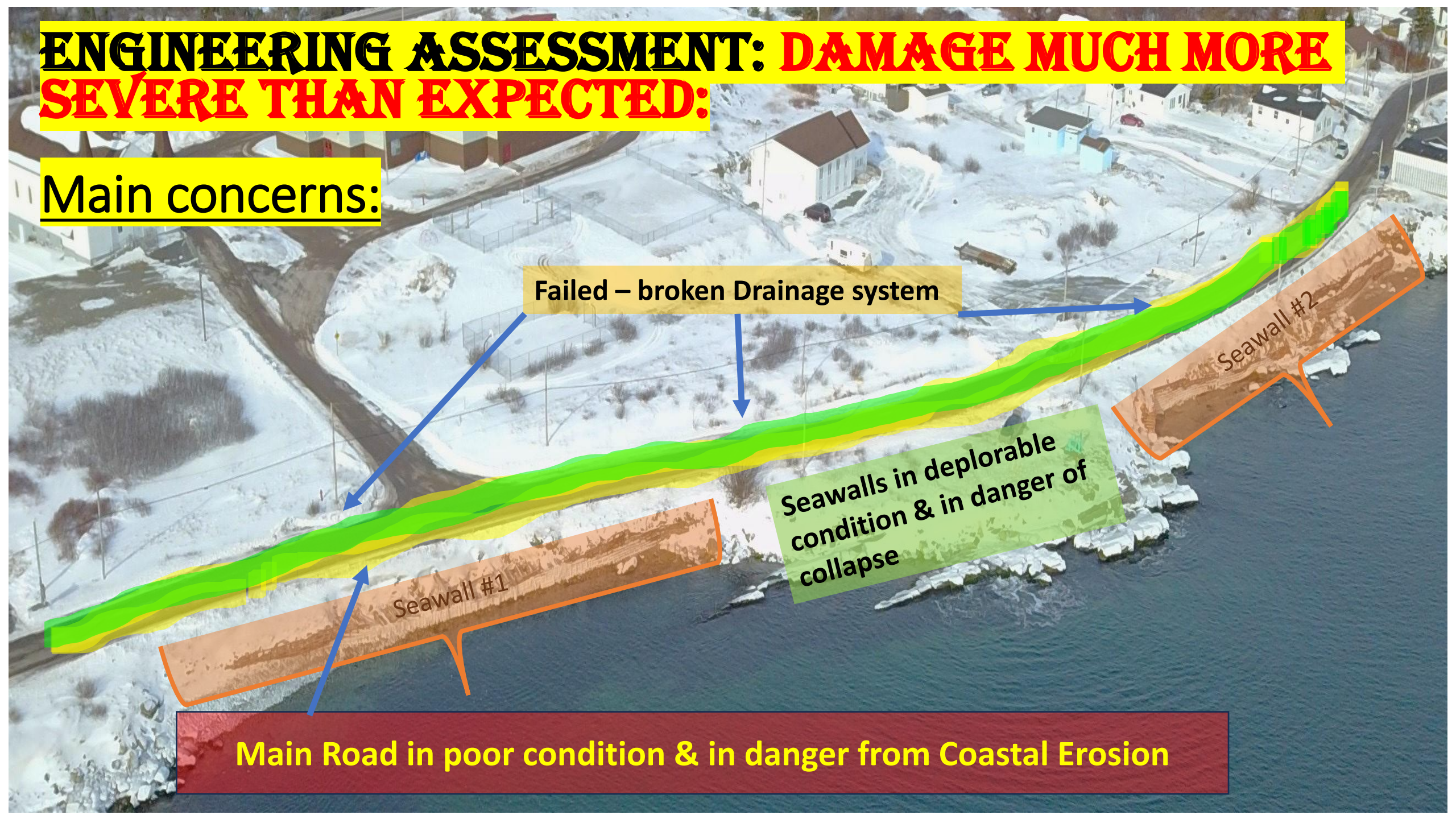
Failed – broken Drainage system

Seawalls in deplorable condition & in danger of collapse

Seawall #1

Seawall #2

Main Road in poor condition & in danger from Coastal Erosion



## CONDITION ASSESSMENT:

- Embankment & edge of road in danger.
- 20 feet of shoreline lost in **15** Years
- If nothing done, erosion could damage road in **5 – 8** Years



The Guardrail was at the edge of the cribbing but had to be moved close to road due to extreme erosion.

Shoreline severely eroded: approx. 15 to 20 feet completely gone

Only about 5 feet of shoreline left before the road is damaged

If nothing is done, the road could be unusable in 5 – 8 Years





**CONDITION**  
**ASSESSMENT:** No structural integrity remaining at all.

- The existing seawalls are ruined & no longer protect the road from worsening climate damage.
- Drainage system failed increasing coastal erosion & damage to road surface,
- Cribbing is rotted. Large logs falling into the ocean, a hazard to residents on shore & to Boats on the water

# **COST ANALYSIS:**

- Engineer 1<sup>st</sup> estimated project cost was \$761,500,
- 1<sup>st</sup> estimated town cost was \$76,000,
  - Budget review showed there was enough existing funding available provided project was approved at a 90/10 cost share
- All Council & Executive Staff discussed & approved project concept at least 9 times before funding approval, &
- Note: Council is aware that cost estimates are expected to change as project engineering design is completed.





**ASSESSMENTS OF THE TOWNS PRIMARY INFRASTRUCTURE SHOWED MUCH OF IT TO BE IN POOR CONDITION:**

- With this in mind, the TBN Council resolved to seek higher government funding to begin work on critical infrastructure in immediate need of attention:
- 8 applications were submitted for over \$7 million of “Municipal Capital Works” funding at an estimated town cost of 8.8%





**RECOGNIZING THE FEDERAL  
& PROVINCIAL  
GOVERNMENTS INTENT TO  
FOCUS FUNDING PRIORITIES  
ON CLIMATE CHANGE  
MITIGATION PROJECTS –**

**COUNCIL ALSO RESOLVED  
TO:**

- Submit the top 5 priority MCW projects to the “Investing In Canada Infrastructure Program”
- This resulted in TBN also submitting applications for over \$4 million at a town cost of 8.9%
- This initiative proved successful & 2 of the top 5 priority projects were approved (A Water Treatment Feasibility Study & the Catalina Seawall)

**GREAT NEWS!!** 20 Feb 24: Minister of Transportation & Infrastructure (Hon John G. Abbott) announced:

- \$4.3 million was approved from Fed, Prov & Municipal Governments
- Funding was for 8 towns to protect homes, roadway, municipal parks. & water/wastewater infrastructure from shoreline erosion & extreme weather events
- TBN “Catalina Seawall” project was approved for \$761,500 which must be used in Disaster Mitigation efforts aimed at shoreline protection & erosion controls.



**Catalina Seawall: ICIP Project # 17-GI-24-00083 (Approved – 17 Oct 2023)**

**Confirmed by Majority Council vote 26 Feb 2024.**

**Council & Staff will work to ensure this project includes the replacement of seawalls, adjoining road & all subsurface infrastructure from 100 Main Street to Lift Station next to 119 Main Street, as well as the installation of an effective Sidewalk, Curb & Gutter drainage system.**

Emplace effective drainage system

Seawall #2

Seawall #1



# PROJECT STATUS:

- Engineers currently working to complete project Engineering Designs,
- Initial Design analysis shows that:
  - Continued increases in sea level, annual rainfall, wind speeds & sea surge have greatly increased the speed of coastal erosion,
  - There is an urgent need for a more robust seawall system **which will likely result in a higher cost than initial estimates,**
- The engineering design stage should be completed by June & the tendering process begun by the end of summer 2024.
- Please continue to monitor this medium for continued updates on project status.

