



FEDERATION
OF CANADIAN
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How Asset Management Can Help Address the Infrastructure Deficit

Nova Scotia Federation of Municipalities
November 4, 2021

Outline

1. Overview of the infrastructure deficit in Canada
2. How FCM programs help to address this gap
3. FCM Advocacy

Get out your **cell phone** to participate in poll questions at ***Menti.com***

Overview of the infrastructure deficit in Canada

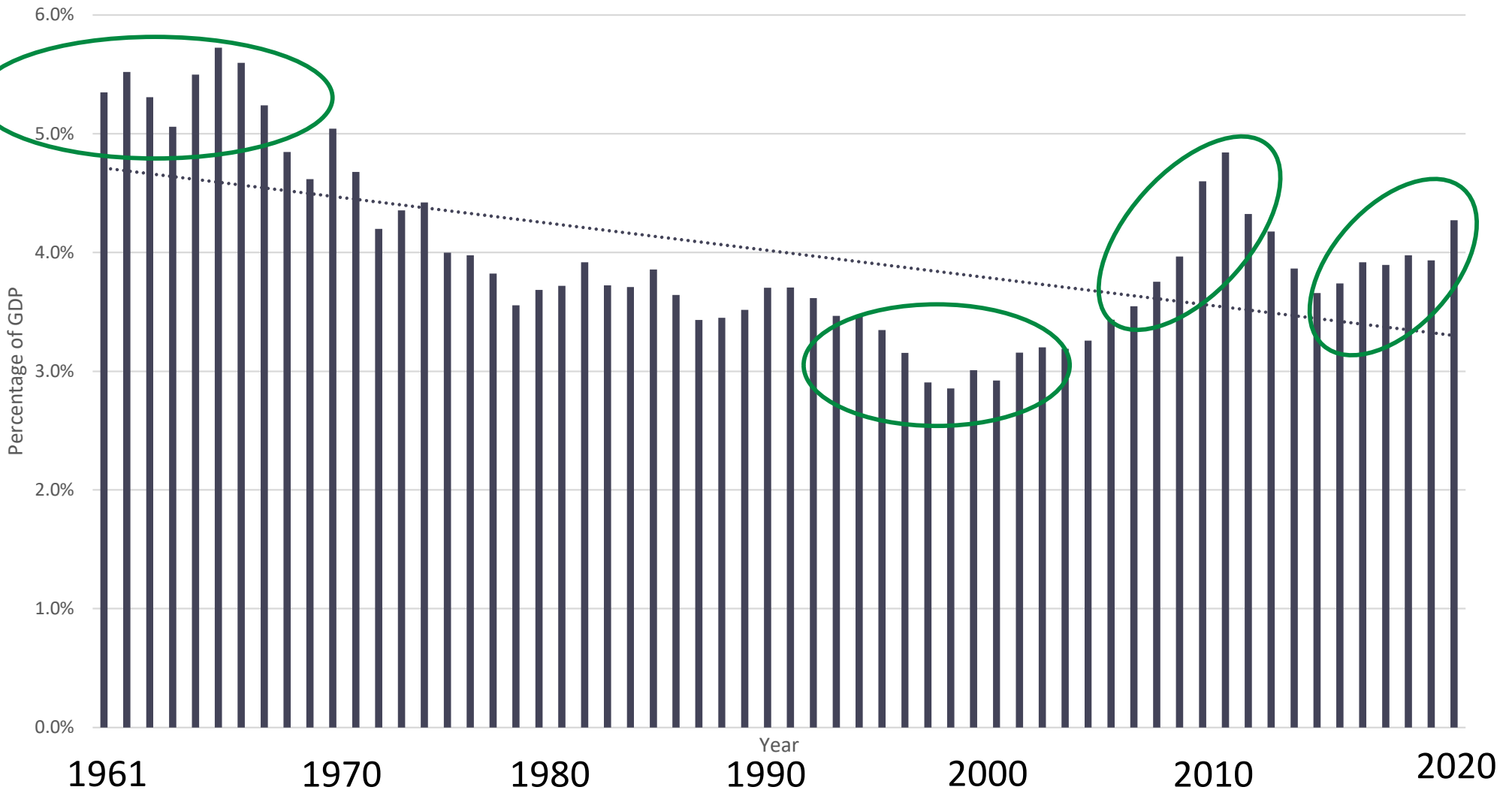
Canadian Infrastructure Deficit

26th in the world



Infrastructure spending over time

General Government Fixed Capital Formation as a % of GDP, 1961-2020



Federal Investment

- Half-way through the Investing in Canada Plan \$180 Billion (2016-2028)
- The Canada Community-Building Fund (formerly Gas Tax Fund) \$2.2 Billion allocation based on population.
- Infrastructure Canada has provided \$35.5 Million / last 5 years
 - 54% public transit
 - 14% roads
 - 8% water
 - 6% disaster mitigation

Poll

What is your top local infrastructure priorities?

- A. Drinking water
- B. Stormwater
- C. Wastewater
- D. Waste
- E. Roads
- F. Recreation / culture
- G. Other

1. On your cell go to: [Menti.com](https://www.menti.com)
2. Type code: 6950 7059
3. Vote!

Canada's Core Public Infrastructure Survey

Road assets

Bridge and tunnel assets

Public transit assets

Culture, recreation and sports facilities

Potable water assets

Storm water assets

Wastewater assets

Solid waste

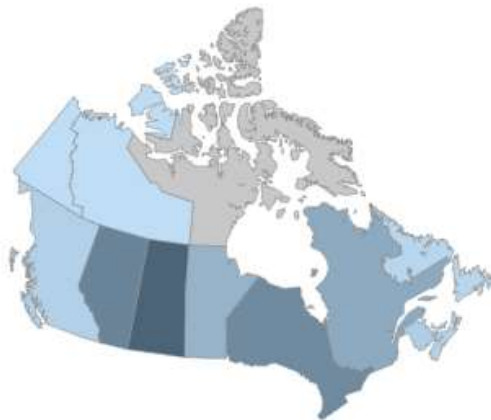
Road assets

Canada

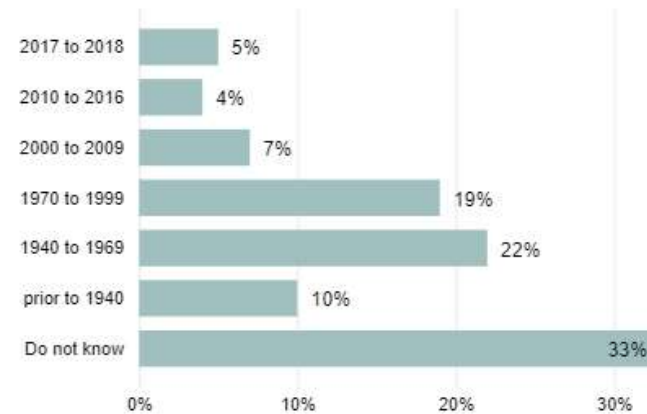
Geography: Canada | Road assets: Local roads | Year: 2018

Table view | Chart view

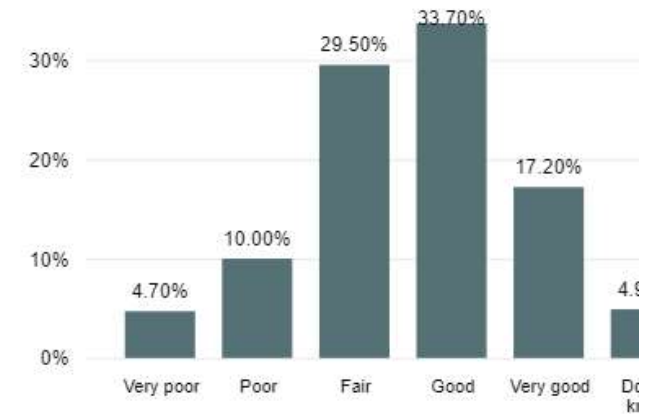
Asset inventory, Local roads, 2018



Year of construction and/or purchase, Local roads (kilometres), 2018



Overall physical condition of assets, Local roads (kilometres), 2018



Distribution by municipality type, Local roads (kilometres), 2018



Asset management practices

Plan	Canada
Total of organizations who own road assets	3,838
Organization has an asset management plan	2,181
Does not update	..
Updated every five years or more	1,031
Updated every two to four years	431
Updated every year	700
Undated other	19

Trends over time (2018 vs 2016)



% water infrastructure in poor or very poor condition remains constant – 11%



Water infrastructure is increasing – new assets build:

- 13,000kms linear (pipes)
- 1600 non-linear (plants)

Trends over time (2018 vs 2016)



Nova Scotia vs Canada

- Water and waste infrastructure in better condition
- Asset management plans slightly below Canadian average
- Roads, bridges and buses are older, in poorer condition



How FCM programs help to address the infrastructure gap

Poll

Do you have an asset management plan in your community?

- A. Yes
- B. No
- C. Not sure

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Municipal Asset Management Program - Designed to support municipalities

Eight-year, \$110M program (until 2024)

Funded by Infrastructure Canada

- Improve municipal asset management practices
- Support asset management collaboration across Canada

We offer **resources, training and funding opportunities**

830 Municipal Projects
\$34M worth of municipal
asset management
projects funded
**415 training events and
workshops**

Pillars of the MAMP program

Municipal
projects

Awareness
building

Technical
assistance

Knowledge mobilization

What are MAMP funding recipients working on?

Since 2017, 45% of municipal grant recipients worked on policy and governance activities, leading to the creation or endorsement of:



144 Asset management policies



72 Asset Management strategies



100 Council endorsements of asset management policy or strategy

Level on scale *before* starting a MAMP-funded project:



Level on scale *after* completing a MAMP-funded project:



Municipality of the County of Richmond

- Develop an Asset Management Policy and Short-term Roadmap.
- Prepare an inventory of major assets (water distribution, sewer, storm, roads and major municipal-owned buildings) in spreadsheet and GIS.
- Preliminary State of Infrastructure Reports (P-SOIR).

Lessons learned: Finance department as part of the asset management team is critical to success.



FCM Advocacy

Post- Election Advocacy



FCM election priorities: ourfrontlinesolutions.ca

THANK YOU!!

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