



GEORGIA

**Town of Georgina  
21-OI-2**

**Title:** 2021 Road Reconstruction Program

**Date:** September 14, 2020

**Department:** Operations and Infrastructure

**Division:** Asset Management and Technical Services

**Project Description:**

Roads identified for the 2021 reconstruction program include Irving Drive.

This road was identified in staff report OI-2019-0013 as a candidate for reconstruction. The engineering investigation and design work will commence in Late 2020, with the majority of the geotechnical investigation and engineering design work completed using funds available from the 2020 Capital Project 20-OI-03. Additional funds will be required in 2021 for final construction.

Each year the Town undertakes a road reconstruction program on identified roads that have deteriorated past their useful life. These road sections were previously described as the “NOW Needs” in the **2015 State Infrastructure - Roads** report prepared by 4-Roads Management Services Inc.

Road reconstruction involves the removal and replacement of the asphalt surface and the granular bedding underneath the road. Ditch re-grading and replacement of driveway culverts will also be undertaken. In urbanized areas, curb and gutters are replaced, along with the asphalt and granular base. Pavement condition, pavement age, traffic volumes and maintenance frequency are monitored and influence the timing and need for road rehabilitation projects.

The project Budget for 2021 includes:

- Construction costs
- Engineering consulting for geotechnical investigation and recommendations; with asphalt design
- Contract administration, inspection, and materials testing (QA/QC Control)

<ul style="list-style-type: none"> <li>Project Management</li> </ul>
<p><b>1. Proposed Year of Initiative:</b> 2021</p>
<p><b>2. Nature of Initiative/Review Factors (check and explain all that apply):</b></p> <p> <input checked="" type="checkbox"/> Legislative, <input type="checkbox"/> Growth <input checked="" type="checkbox"/> Risk Management, <input type="checkbox"/> Service Level Change, <input type="checkbox"/> Strategic Priority, <input type="checkbox"/> Efficiency, <input type="checkbox"/> Adopted Plan/Study  <input type="checkbox"/> Other (please specify)         </p> <p><b>Legislative:</b> The Town is required to maintain roads in a state of good repair. Ontario Asset Management Regulation 588/17 requires an ongoing assessment of the condition of core assets (roads) and development of a plan to maintain the asset at an approved service level. Ontario Minimum Maintenance Standard Regulation 239/02 also requires on-going maintenance of infrastructure in a state of good repair</p> <p><b>Risk Management:</b> Maintaining road surfaces at an acceptable standard reduces the Town’s risk and exposure to liability in the event of a motor-vehicle accident. Pavement condition, pavement age, traffic volumes and maintenance frequency are all monitored. These factors influence the timing and need for road rehabilitation projects, and are utilized to manage risk.</p>
<p><b>3. Brief Links to Strategic Plan Departmental Business Plans or Other Plans:</b></p> <p>Priority: Deliver exceptional Service – Manage our finances and assets proactively.</p>
<p><b>4. Main/Desired Goal or Outcomes/Benefits:</b></p> <p>The identified roads that have come to the end of their life cycle and require reconstruction that will reset the age and condition of these assets.</p>
<p><b>5. Cost/ Financial Impact, Recovery and Net impact</b></p> <p>Construction:       <b>\$1,000,000</b></p>
<p><b>6. Other Considerations or Efficiency Options:</b></p> <p>Can you defer the request? No          Is it more efficient to contract out the initiative? Yes          Can you combine this initiative with other present functions? No          Can you change the services model to reduce this demand without reducing service levels? No</p>

<p><b>Can you better leverage technology?</b> Yes. Commencing in 2021, the Town will partner with the Region to implement a pavement management program (data collection and software) to further enhance the decision making process in identifying roads that require rehabilitation. A three-year project including planning, budget and delivery process is being developed and implemented.</p> <p><b>Can you share service delivery with other Town Departments/Agencies or municipalities?</b> No</p>
<p><b>7. Short-Term Results Expected:</b></p> <ul style="list-style-type: none"> <li>• Improved safety and comfort for the travelling public.</li> <li>• Reduced maintenance costs for repairs.</li> </ul>
<p><b>8. Long-Term Results Expected:</b></p> <ul style="list-style-type: none"> <li>• Appropriate asset management programs for roads of all types will maintain the Service Level of roads at an acceptable safety and ride comfort rating.</li> <li>• Resets the age and condition of the assets in their life cycle.</li> </ul>
<p><b>9. Other Comments:</b></p> <p>In 2017 Staff reported to Council that the recommended that the annual budget for Road Reconstruction (“NOW Needs”) be increased to stable funding level of \$3.2 Million each year (2015 Cost estimates) Subsequently in 2019 Council Approved a Reconstruction Budget of \$1,000,000 (19-PWK-14) and a 2020 Budget of 1,261,000 (20-OI-3). Staff will re-evaluate the potential candidate roads for reconstruction in 2022 – 2032 following more fulsome development of the Asset Management Plan for Roads and implementation of the Pavement Management Software System.</p> <p>Photos of Irving Drive (2020)</p>

