

Arterial Renewal Scope of Work

Arterial renewal work can include a range of infrastructure improvement scenarios, from resurfacing to full reconstruction. Before planned arterial renewal work was put on hold for 101 Avenue it was anticipated that minor rehabilitation work would be required, although preliminary design had not been completed. Preliminary design is required to determine if minor rehabilitation is feasible or if major rehabilitation is required. If major rehabilitation is required then the road would be allowed to deteriorate until reconstruction is needed. The following table describes the potential timelines and process for arterial renewal scenarios on 101 Avenue:

Scenario	Timeline	Process	Outcome
Road Paving	Extends life of the road by 10 to 15 years.	Pavement resurfacing and very limited concrete work, if any.	No change to existing design.
Minor Rehabilitation	Extends life of the road by 15 to 20 years.	Pavement resurfacing with selective concrete replacement (less than 25 percent) and street light/traffic signal renewal as required. Originally planned for 2017. Further preliminary design is required (pavement design and analysis of existing road grades and curb conditions) to determine if minor rehab construction is feasible.	Little opportunity for change to design. At the end of the extended road life next renewal intervention will most likely be reconstruction.
Major Rehabilitation = Reconstruction by default	If the project is considered a reconstruction, it would be pushed to the next budget cycle for design (2023 to 2026) with construction tentatively to start within 7 to 10 years (2024 to 2027).	If major rehab is required, then the road would be allowed to deteriorate until reconstruction is needed. If pavement design or other renewal design factors called for reconstruction/major rehabilitation (for example the road needs to be raised which in turn requires curb replacement), then renewal of the road section would be upgraded and be reprioritized within the existing backlog of arterial reconstruction locations.	With additional budget approval significant change to design is possible.